

Release 3.0.5AA John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1997 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd

MPsrch_nn n.a. - n.a. database search, using Smith-Waterman algorithm

Run on: Wed May 6 23:24:34 1998; MasPar time 118.86 Seconds 928.571 Million cell updates/sec

Tabular output not generated.

Title: Description: Perfect Score: 2094 >US-08-320-157-6 (1-2094) from US08320157.seq

N.A. Sequence: Comp:

Scoring table: TABLE default Gap 6

Nmatch STD: Dbase 0; Query 0

Searched: 102136 seqs, 26354296 bases × N

Post-processing: Minimum Match 0% Listing first 45 summaries

Database:

n-issued 1:backl 2:51 3:52 4:53 5:54 6:55 7:56 8:57 9:PCT90 10:PCT91 11:PCT92 12:PCT93 13:PCT94 14:PCT95 15:PCT96

Statistics: Mean 9.226; Variance 4.729; scale 1.951

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| | 92, 7 | Sequence 5, Application Sequence 5, Application Sequence 100, Applicat | Sequence 21, Applicat Sequence 21, Applicat Sequence 14, Applicat | 14, 19, | Sequence 17, Applicat Sequence 15, Applicat Sequence 17, Applicat Sequence 17, Applicat | ion |
| t ± + | 222 | io 2.91e-10 io 4.76e-07 at 2.85e-02 | | 555 | ti 2.55e-50 ti 2.55e-50 ti 2.55e-50 ti 1.93e-43 ti 1.93e-43 | Pre |

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| Sec Pat GI | on xx | RESULT | 18 8 8 8 4 4 4 4 4 4 8 8 8 8 8 8 8 8 8 8 | 30002000000000000000000000000000000000 |
| Sequence 17, Application US, patent No. 5672686 GENERAL INFORMATION: APPLICANT: CHITTENDEN, TITLE OF INVENTION: APO TITLE OF INVENTION: APO TITLE OF INVENTION: OF NUMBER OF SEQUENCES: 31 CORRESPONDENCE ADDRESSE: Hale and D STREET: 1455 Pennsylv CITY: Washington STATE: D.C. ZIP: 20004 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy of COMPUTER: IBM PC composeration SYSTEM: PC-SOFTWARE: PATENTIN NUMBER: UFILING DATE: 10-CT-1 CLASSIFICATION NUMBER: UFILING DATE: 09-AUG-1 PRIOR APPLICATION NUMBER: 0-AUG-1 PRIOR APPLICATION NUMBER: NUMBER: NEGISTRATION NUMBER: RESISTRATION NUMBER: REFERENCE/DOCKET NUMBER: REFE | .xxxx -JAN-1900 quence 17 | 1 08-321- | 222243222222222222222222222222222222222 | 22222222222222222222222222222222222222 |
| 17, Application 5. 5672686 INFORMATION: CHITTEN OF INVENTION: OF INVENTION: OF INVENTION: OF INVENTION: OF INVENTION: ROF SEQUENCES SPONDENCE ADDRERERSEE: Hale EET: 1455 pen Y: Washington PIE: D.C. : 20004 ITER READABLE FOR ITER READABLE FOR ITER PATENT PPE: FATENT PPE: FATENT PPE: FATENT PPE: TON UNMBERICATION NUMBERICATION NUMBERICATION NUMBERICATION DATE: 09-4 APPLICATION DATE: 09-4 APPLICATION DATE: 09-4 APPLICATION NUMBERICATION NUMBERICATIO | , Appl | 321-071A-17 | | |
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TELEFAX: 202-942-8484
INFORMATION FOR SEQ ID NO: 17
SEQUENCE CHARACTERISTICS:
LENGTH: 1968 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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quence 1968 BP;
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CCCTGCGTGGGGGCCAGTCAGGCTGCAGAGGCACCTCAACATTGCATGGTGCTAGTGGGC
                                               GTTGGGCCAGTTTGTGGTACGAAGATTCTTGAAATCATGACTCCCAAGGGTGCCCTTTGG
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al Similarity 99.4%;
1938; Conservative
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Pred. No. 0.00e+00;
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RESULT ID U

US-08-440-391-15 STANDARD; DNA; UNC; 93 BP.

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ID PCT-US96-06122-15 STANDARD; DNA; UNC; 93 BP.
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                      01-JAN-1900
Sequence 15, Application PC/TUS9606122.
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: PatentIn Release
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/
FILING DATE: 12-MAY-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N
REGISTRATION NUMBER: 32.07
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                                                                                                                                                                                                   A.4%; Local Similarity 100.0%; nes 93; Conservative
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                              1 CAGGTGGGACGGCAGCTCGCCATCATCGGGGACGACGATCAACCGACGCTATGACTCAGAG 60
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                                                                                                                                                        CAGGTGGGACGGCAGCTCGCCATCATCGGGGACGACATCAACCGACGCTATGACTCAGAG 476
                                                                                                                                     TTCCAGACCATGTTGCAGCACCTGCAGCCCCACG 93
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CITY: Washington
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Pred. No. 2.55e-50;
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Best Local Similarity 100.0%;
Matches 93; Conservative
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TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
Sequence 93 BP; 22 A; 31 C; 26 G; 14 T; 0 other;
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                                                                                                                                                                                                US-08-440-391-17 STANDARD; DNA; UNC; 84 BP
                                                                       Sequence 17, Application US/08440391 Patent No. 5656725
                                                                                                           Sequence 17, Application US/08440391
                                                                                                                                  01-JAN-1900
GENERAL INFORMATION:
APPLICANT: CHITTENDEN, Thomas D.; and
APPLICANT: LUTZ, Robert J.
TITLE OF INVENTION: NOVEL PEPTIDES ANI
TITLE OF INVENTION: MODULATE APOPTOSI:
NUMBER OF SEQUENCES: 34
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                            61 TTCCAGACCATGTTGCAGCACCTGCAGCCCACG 93
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NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,
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TITLE OF INVENTION: NOVEL PEPTIDES
TITLE OF INVENTION: WHICH MODULATE
NUMBER OF SEQUENCES: 34
                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS LENGTH: 93 base pairs TYPE: nucleic acid
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OPERATING SYSTEM:
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CITY: Washington
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1455 Pennsylvania Avenue, N.W.
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IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
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            NOVEL PEPTIDES AND COMPOSITIONS WHICH MODULATE APOPTOSIS
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Pred. No. 2.55e-50;
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RESULT 5
ID PCT-US96-06122-17 STANDARD; DNA; UNC; 84 BP.
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Best Local Similarity 100.0%;
Matches 84; Conservative
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 84 base pairs
TYPE: nucleic acid
                                                                                                                                                                                           Sequence 17, Application PC/TUS9606122 GENERAL INFORMATION: APPLICANT: IMMUNOGEN, INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: DNA (genomic)
Sequence 84 BP; 20 A; 26 C; 26 G; 12 T; 0 other;
                                                                                                                                                                                                                                          Sequence 17, Application PC/TUS9606122
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CLASSIFICATION: 435
ATTORNEY_AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,07
                                                                                                                                                                                                                                                                                                                                                                                                  61 CGACGCTATGACTCAGAGTTCCAG 84
                                                                                                                                                                                                                                                                                                                                                                                                                                       1 CCTAGCAGCACCATGGGGCAGGTGGGACGGCAGCTCGCCATCATCGGGGACGACATCAAC 60
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/06122
                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                  TITLE OF INVENTION: WHICH MODULATE APOPTOSIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 20004
COMPUTER READABLE FORM:
                                                                                                                                           NUMBER OF SEQUENCES: 3
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-942-8400
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
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STATE: D.C.
ZIP: 20004
                                                                                             STATE:
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STREET: 1
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                                                                                                          Washington
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1455 Pennsylvania Avenue,
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1455 Pennsylvania Avenue,
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Pred. No. 1.93e-43
0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                              US-08-232-463-14 STANDARD; DNA; UNC; 7218 BP
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                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: DORNER, F.
APPLICANT: SCHEIFLINGER,
                                                                                                                                                                                                                                                                                                                                                                                                                       459 CGACGCTATGACTCAGAGTTCCAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: 202-942-840
TELEFAX: 202-942-8484
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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Local Similarity 100.0%;
local Similarity 100.0%;
les 84; Conservative
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                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                  CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE:
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NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,
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TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
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                                                                                                                                                                                                           NUMBER OF SEQUENCES:
                                                                                                                                                        STREET: 1800 Dia
CITY: Alexandria
STATE: VA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
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FILING DATE:
APPLICATION NUMBER:
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                                                                                                                                             COUNTRY:
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                                                                                                                                    22313-0299
                                                                                                                                                                            1800 Diagonal Road, Suite 500
                                                                                                                                               USA
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                   US/07/935,313
EP 91 114 300.6
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Pred. No. 1.93e-43;
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MEDIUM TYPE:

Floppy disk

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                                                                                                                                                                                                  Patent No. 5656725
GENERAL INFORMATION:
                                                                                                                                                                                                                       Sequence 19, Application US/08440391 Patent No. 5656725
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                                                                                                                                                                                                                                                                       Sequence 19, Application US/08440391
                                                                                                                                                                                                                                                                                                        01-JAN-1900
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
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ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 30472/114 IMMU
TELECOMMUNICATION INFORMATION:
                                                                                                                                APPLICANT: CHITTENDEN, Thomas D.; and APPLICANT: LUTZ, ROBERT J.
TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS WHICH TITLE OF INVENTION: MODULATE APOPTOSIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pairs
TYPE: nucleic acid
COMPUTER READABLE FORM:
                                                                                                 NUMBER OF SEQUENCES: 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                              CTTAGGACTTGGTTATATCA 1718
                            CITY: Washington STATE: D.C.
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                                                                   STREET:
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                                                                 E: Hale and Dorr
1455 Pennsylvania Avenue, N.W
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(703)683-4109
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Pred. No. 5.86e-30
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                           Sequence 19, Application PC/TUS9606122 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: DNA (genomic)
Sequence 45 BP; 10 A; 15 C; 15 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                             Sequence 19, Application PC/TUS9606122
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Local Similarity 100.08;
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-942-8400
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ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,
         CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,0
REFERENCE/DOCKET NUMBER:
                                                                                                                                  COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                      CLASSIFICATION:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                        APPLICANT: IMMUNOGEN, INC.
TITLE OF INVENTION: WHICH MODULATE APOPTOSIS
TITLE OF INVENTION: WHICH MODULATE APOPTOSIS
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS
                                                                  APPLICATION NUMBER: US 0: FILING DATE: 12-MAY-1995
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                                                                                                                FILING DATE:
                                                                                                                           APPLICATION NUMBER:
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                                                                                                                                                                                                             20004
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1455 Pennsylvania Avenue, N.W
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                                                                                                                 HEREWITH
                                                                                                                                                  Release #1.0, Version #1.25
                                                                               US 08/440,391
                                                                                                                           PCT/US96/06122
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                   32,073
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Pred. No. 5.80e-15
0; Mismatches (
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          .04322.147PCT
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Best Local S
Matches 4
                   Query Match
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                                                                                  TELEFAX: 202-y+2 INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 39 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
                                                  MOLECULE TYPE: DNA (genomic) Sequence 39 BP; 11 A; 11 C; 11 G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-440-391-21 STANDARD; DNA; UNC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: DNA (genomic)
Sequence 45 BP; 10 A; 15 C; 15 G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 21,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 21, Application US/08440391
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       420 GTGGGACGGCAGCTCGCCATCATCGGGGACGACATCAACCGACGC
                                                                                                                                           ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,073
REFERENCE/DOCKET NUMBER: 1043
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-942-8400
TELEPAX: 202-942-8484
                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: 202-942-8484
INFORMATION FOR SEQ ID NO:
1.98;
Local Similarity 100.08;
nes 39; Conservation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
LENGTH: 45 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7 Match 2.1%;
Local Similarity 100.0%;
les 45; Conservative
                                                                                                                                                                                                                                                       COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 GTGGGACGCAGCTCGCCATCATCGGGGACGACATCAACCGACGC
                                                                 MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS TITLE OF INVENTION: MOULLATE APOPTOSIS NUMBER OF SEQUENCES: 34

CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: CHITTENDEN, Thomas D.; and APPLICANT: LUTZ, Robert J.
                                                                                                                                                                                                                            APPLICATION NUMBER: US/08/440,391 FILING DATE: 12-MAY-1995 CLASSIFICATION: 435
                                                                                 TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          φ
                                                                           TOPOLOGY:
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1455 Pennsylvania Avenue, N.W.
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    Score 39; DB 7; 1
Pred. No. 6.39e-11;
0; Mismatches (
                                                  11 G; 6 T; 0 other;
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Pred. No. 5.80e-15;
0; Mismatches 0
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                          Length 39;
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Best Local Similarity 100.0%;
Matches 39; Conservative
                                                                                                                                                                                                                                                                  ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,073
REFERENCE/DOCKET NUMBER: 1043
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-942-8400
TELEPAX: 202-942-8484
INFORMATION FOR SEQ ID NO: 21:
                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIA Release #1.0, Vt
CURRENT APPLICATION DATA:
PAPLICATION NUMBER: PCT/US96/06122
FILING DATE: HEREWITH
CLASSIFICATION:
PRIOR APPLICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 21, Application PC/TUS9606122
GENERAL INFORMATION:
APPLICANT: IMMUNOGEN, INC.
TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS
TITLE OF INVENTION: WHICH MODULATE APOPTOSIS
         01-JAN-1900
                              XXXXXX
                                                            US-08-232-463-14 STANDARD; DNA; UNC; 7218
                                                                                                                                                                                         MOLECULE TYPE: DNA (genomic) Sequence 39 BP; 11 A; 11 C; 11 G;
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                                                                                                       444 GGGGACGACATCAACCGACGCTATGACTCAGAGTTCCAG
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                                                                                                                 1 GGGGACGACATCAACCGACGCTATGACTCAGAGTTCCAG
                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
LENGTH: 39 base pairs
TYPE: nucleic acid
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APPLICATION NUMBER: 1
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CLASSIFICATION:
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1455 Pennsylvania Avenue,
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                                                                                                                                             Score 39; DB 15;
Pred. No. 6.39e-11;
0; Mismatches C
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Best Local :
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Sequence 7218 BP; 1944 A; 1491 C; 1486 G; 1929 T; 368 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 14, Application
                                                                                                                                                                                2019 CTCCATCTGCCTCCCCTCCCTGCATTTGGCTGAATCAAGAACTTCTCCCCCCCTGACCCCC 1960
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                                                                                                                                                                                                                                                                                                                                                                      INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: DORNER, F.
APPLICANT: SCHEIFLINGER, F.
APPLICANT: FALKNER, F. G.
TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
NUMBER OF SEQUENCES: 52
                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOTTER: 29,768
                                                                                                                                                                                                                                                                                             TOPOLOGY: line
IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,463
                                                                                                                                                                                                                                                                                                                                                                                                     REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 30472/114
TELECOMMUNICATION INFORMATION:
TELEPHONE: [703)836-9300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
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MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
TGGTGTTGATAGTCCTTCTCCCACTTAGAACCCTCCAGATGAACTCCCTACTCCTTTTCC
                     ACACCCCTGGATTACACTGTGCCAGAGCCATGAGGGAGGATCCACCTCTGGGATTCCTAG
                                                                 ACAGGTGAGGAGCATGGAGGGTGGGGGAACAGAGTTCAAGTATTCACAGTTCCCCCATCT
                                                                                                                                   AAGACCCTAGGCTGTGCCAATAGAGAAGGCACTGTCACCCCCCACCCTGAGGAGACCTAG 1900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  USA
                                                                                                                                                                                                                                                                                                                                                                                            (703)683-4109
                                                                                                                                                                                                                                                                                                             linear
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                                                                                                                                                                                                                             170; Mismatches 137;
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Pred. No. 6.39e-11
                                                                                                                                                                                                                                                                                                                                                                     14:
                                                                                                                                                                                                                                                    Length 7218
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Best Local :
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                                                                                                                                            OTHER INFORMATION: sequence of PGIP from bean Sequence 215 BP; 15 A; 8 C; 25 G; 26 T; 141 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-238-163-5
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284 CCAGGACACAGAGGATTTTCCGCAGCTACGTTTTTTACCGCCATCAGCAGCAACAGGA 343
                                                                                                                                                                                                                                                                                             TELEFAX: (415) 543-50 INFORMATION FOR SEQ ID NO:
                                                224 TCCTCCCAGGCAGGAGTGCGGAGAGCCTGCCCTGCCTCTGCTTCTGAGGAGCAGGTAGC
                                                                                        1.8%;
Local Similarity 16.9%;
nes 27; Conservation
                         62
                                                                     2 TNVTMSSSSVVSRTASCNDKAKKDGNTTSSWTTDCCNRTWGVCDTDTTYRVNNDSGHNKY 61
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                                                                                                                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER: 23
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 543-9600
                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: Patentin Rel
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
LENGTH: 215 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/08
FILING DATE: 03-MAY-1994
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: PLANT INHIBITORS OF FUNGAL
TITLE OF INVENTION: POLYGALACTURONASES AND THEIR USE TO CONTROL FUNGAL DISEA
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                           FEATURE:
                                                                                                                                                                                                                     MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                       NAME/KEY: misc_feature
LOCATION: 1..215
OTHER INFORMATION: /sta
OTHER INFORMATION: seq
                        SSANYNYGGNNVGAAKTHYYTHTNVSGAD-SKTVTDSYNASGTSSSNGGTDGNRSGADSY 120
                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn Release #1.0
                                                                                                                                                                                                                                             STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                         REGISTRATION NUMBER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: Townsend and Townsend Khourie and Crew STREET: Steuart Street Tower, One Market Plaza
                                                                                                                                                                                                                                    TOPOLOGY:
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STOTZ, Henrik
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BENNETT, Alan
                                                                                                                                                                                                                                   unknown
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                                                                                                                                                                                                                     protein
                                                                                                                                                                                                                                             single
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                                                                                            Score 38; DB 6; Length 215;
Pred. No. 2.91e-10;
67; Mismatches 64; Indels
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                                   1025 GCACCATGCAATGTTGAGGTGCCTCTGCAGCCTGACTGGCCCCCACGC-AGGGCCTCCGA 967
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Patent No. 5569830
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-238-163-5 STANDARD; DNA; UNC;
                                                                                                                                                                                                                                                                TELEFAX: (415) 543-5043
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 215 base pairs
                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/238
FILING DATE: 03-MAY-1994
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Bastlan, Kevin L.
REGISTRATION NUMBER: 34,774
REFERENCE/DOCKET NUMBER: 2307
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             121 GSSKTAMTSRNRTGKTANNAVDSRNMGDASVGSDKNTKKH 160
              69
                                                                                                    Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: PLANT INHIBITORS OF FUNGAL
TITLE OF INVENTION: POLYGALACTURONASES AND THEIR USE TO CONTROL FUNGAL DISEASE
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: BENNETT, Alan
APPLICANT: LABAVITCH, Jol
                                                                                                                                                                                                                   MOLECULE TYPE:
                                                                                                                                    NAME/KEY: misc_feature
LOCATION: 1..215
OTHER INFORMATION: /standard_name= "Deduced amino acid
OTHER INFORMATION: sequence of PGIP from bean."
ence 215 BP; 15 A; 8 C; 25 G; 26 T; 141 other;
             GGNNVGAAKTHYYTHTNVSGADSKTVTDSYNASGTSSSNGGTDGNRSGADSYGSSKTAMT 128
                                                             SSVVSRTASCNDKAKKDGNTTSSWTTDCCNRTWGVCDTDTTYRVNNDSGHNKYSSANYNY 68
                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GGCTGAA-GGGGTGGCTGCCCTGCCGACCCAGAGATGGT 382
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STATE:
                                                                                                                                                                                                                               TOPOLOGY:
                                                                                                                                                                                                                                                                                                                    TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
                                                                                                                                                                                                                                        STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE:
                                                                                     1.6%;
Similarity 13.7%;
26; Conservation
94105-1493
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SSEE: Townsend and Townsend Khourie and Crew
T: Steuart Street Tower, One Market Plaza
San Francisco
                                                                                                                                                                                                                                                    nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Application US/08238163
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STOTZ, Henrik
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LABAVITCH, John M.
                                                                                                                                                                                                                              unknown
                                                                                                                                                                                                                                                                                                                    (415) 543-9600
                                                                                                                                                                                                                  protein
                                                                                                                                                                                                                                                                                                                                                                                                                     US/08/238,163
                                                                                      Score 33; DB 6; I
Pred. No. 4.76e-07;
74; Mismatches 89
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RESULT
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Best Local :
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GENERAL INFORMATION:
APPLICANT: Cytogen Corporation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PCT-US95-11934-100 STANDARD; DNA; UNC; 74 BP
                                                                                                                                           MOLECULE TYPE: DNA (genomic)
Sequence 74 BP; 6 A; 6 C; 1 G; 1 T; 60 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           01-JAN-1900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 100,
                                                                                                                                                                                                  TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 74 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       846 CCCTTGGGAG 837
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     906 AGAGAAGGCAAAGACTTCGCTTAAGTCCAGGCAGGGGTCTGAACCGGGACCCAAAGGGCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  966 AGCTGGAGTGCACACTTGCTAAAGCTTCTGTACTCTTGAGGGGGGGACCCTGCAAGGGAAC
814 ACCACAA 808
                                            874 AGGGGTCTGAACCGGGACCCAAAGGGCACCCTTGGGAGTCATGATTTGAAGAATCTTCGT 815
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             189 VSNNCGGGNK 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          129 SRNRTGKTANNAVDSRNMGDASVGSDKNTKKHAKNSADGKVGSKNNGDRNNRYGTGTKSN 188
                       66 ACCACAA 72
                                                                                                        Match 1.28;
Local Similarity 10.48;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Cytogen Corporation
TITLE OF INVENTION: Antigen Bi
TITLE OF INVENTION: Peptide Lil
                                                                    TELEPHONE: (212) 790-9090
                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION: NAME: Misrock, S. Leslie
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: PCT/US95/11934 FILING DATE: 20-SEP-1995 CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: Pennie a Functions
STREET: 1155 Avenue of the Americas
                                                                                                                                                                                 STRANDEDNESS:
                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER:
                                                                                                                                                                     TOPOLOGY:
                                                                                                                                                                                                                                                     TELEFAX:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 ZIP: 10036
                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY:
                                                                                                                                                                                        i: 74 base pairs nucleic acid
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                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Application PC/TUS9511934
                                                                                                                                                                                                                                                                                                                                                                                                                                                              USA
                                                                                                                                                                                                                                                      (212) 869-9741/8864
                                                                                                                                                                   linear
                                                                                                                                                                                                                                                                                                                                                                                                                          Floppy disk
                                                                                                                                                                              single
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                                                                                                                                                                                                                                                                                                   18,872
                                                                                             19;
                                                                                                        Score 25; DB 14;
Pred. No. 2.85e-02;
                                                                                                                                                                                                                                                                                         1101-196-228
                                                                                             Mismatches
                                                                                             41;
                                                                                                                   Length 74;
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RESULT 15
ID PCT-US95-11934-99 STANDARD; DNA; UNC; 75 BP.
Search completed: Wed May 6 23:26:35 1998 Job time: 121 secs.
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Best Local S
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TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 99:
SEQUENCE CHARACTERISTICS:
LENGTH: 75 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                  STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
Sequence 75 BP; 1 A; 1 C; 7 G; 5 T; 61 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 99, Application PC/TUS9511934
GENERAL INFORMATION:
APPLICANT: Cytogen Corporation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 99, Application PC/TUS9511934.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         XXXXX
                                                145 CCGGGTTG 152
                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: PCT/US95/
FILING DATE: 20-SEP-1995
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Misrock, S. Leslie
REGISTRATION NUMBER: 1101
REFERENCE/DOCKET NUMBER: 1101
TREFERENCE.
                                                                                                                                                y Match 1.2%;
Local Similarity 10.3%;
hes 7; Conservative
                                                            64 NNBGGTTG 71
                                                                                                 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Cytogen Corporation
TITLE OF INVENTION: Antigen Binding Peptides (Abtides) From
TITLE OF INVENTION: Peptide Libraries
NUMBER OF SEQUENCES: 103
CORRESPONDENCE ADDRESS:
                                                                                                                       COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
                                                                                                AGCCCCTGGGAGCAGCCGCCAGCCCCTCGGACCTCCATCTCCACCCTGCTGAGCCAC 144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      USA
                                                                                                                                                                                                                                                                                                                                                                                                                                  PCT/US95/11934
                                                                                                                                                Score 25; DB 14; Length 75; Pred. No. 2.85e-02; 19; Mismatches 42; Indels
                                                                                                                                                                                                                                                                                                                                                          1101-196-228
                                                                                                                                                0;
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Release 3.0.5AA John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1997 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd

MPsrch_pp protein - protein database search, using Smith-Waterman algorithm

Tabular output not generated. Run on: Wed May 6 09:34:23 1998; MasPar time 3.58 Seconds 337.331 Million cell updates/sec

Title:

Description: Perfect Score: Sequence: >US-08-320-157-7
(1-211) from US08320157.pep
1561
1 MASGQGPGPPRQECGEPALP.....LVVLGVVLLGQFVVRRFFKS 211

Scoring table: PAM 150 Gap 11

Searched: 62627 segs, 5720858 residues

Post-processing: Minimum Match 0% Listing first 45 summaries

Database:

a-issued 1:backi 2:51 3:52 4:53 5:54 6:55 7:56 8:57 9:PCT90 10:PCT91 11:PCT92 12:PCT93 13:PCT94 14:PCT95 15:PCT96

Statistics: Mean 30.586; Variance 145.199; scale 0.211

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result

| Result | Score | % Query Match | Length | DВ | ID | Description | Pred. No. |
|--------|-------|---------------------|--------|----|------------|------------------------|-----------|
| 1 | 1559 | 9. | 211 | 7 | US-08-321- | Sequence 16, Applicati | 2.88e-127 |
| N | 453 | 29.0 | 57 | 7 | -08- | 15, Appl | 47e- |
| ω | 396 | • | 54 | 7 | US-08-321- | 21, Appl | 4.35e-24 |
| 4 | 347 | , | 49 | 7 | US-08-321- | 25, Appl | .50e- |
| ъ | 274 | • | 190 | 13 | PCT-US94-0 | 2, Appli | .75e- |
| σ | 274 | • | 190 | 7 | US-08-081- | 2, App1 | . 75e- |
| 7 | 270 | • | 236 | 14 | PCT-US95-0 | 29, App | .88e- |
| 00 | 270 | ٠ | 236 | œ | US-08-607- | 29, | .88e- |
| 9 | 266 | | 233 | 14 | PCT-US95-0 | Sequence 24, Applicati | 4.03e- |
| 10 | 266 | • | 233 | 13 | PCT-US94-0 | 7, | 4.03e- |
| 1 | 266 | 17.0 | 233 | 7 | US-08-081- | Sequence 6, Applicatio | 4.03e- |
| 12 | 266 | • | 233 | œ | us-08-607- | 24 | 4.03e- |
| 13 | 266 | • | 233 | 7 | US-08-333- | 59, | 4.03e- |
| 14 | 260 | | 36 | 15 | PCT-US96-0 | 14, | 1.26e- |
| 15 | 260 | 5 | 36 | 7 | US-08-440- | 14, | 1.26e- |
| 16 | 261 | 16.7 | 233 | æ | US-08-607- | 23, | 1.04e- |
| 17 | 261 | | 233 | 14 | PCT-US95-0 | 23, | 1.04e- |
| 18 | 259 | 6 | 205 | _ | 5459251-4 | 5 | 1.53e- |
| 19 | 259 | 5 | 205 | 8 | US-08-248- | Sequence 13, Applicati | 1.53e- |
| 20 | 259 | 5 | 205 | ы | 5506344-5 | Patent No. 5506344. | .53e- |
| 21 | 259 | | 205 | 7 | US-08-081- | Sequence 4, Applicatio | Ļ |
| 22 | 259 | 6 | 205 | 13 | PCT-US94-0 | 5, Applicat | .53e- |
| | | | | | | | |

| 45 | 4 4 4 4 | 4.2 | 41 | 40 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 | 23 |
|------------|--|-------------|--------|-------------|-----------|-----------|--|-----------|-----------|-----------|-----------|-----------|-----------|--|-----------|-----------|------------|-------------------|--|-----------|--------------------------|
| 218 | 218 | 226 | 226 | 226 | 248 | 248 | 250 | 250 | 250 | 250 | 252 | 255 | 255 | 258 | 258 | 259 | 259 | 259 | 259 | 259 | 259 |
| | 14.5 | | | | | | | ٠ | | | | | | | | | | ٠ | | | |
| | 192 B | | | | 236 14 | | | | | | | | | | | 239 12 | | | 239 7 | | 205 |
| US-08- | US-08-248 | US-08-440 | -80-SD | PCT-US96- | PCT-US95- | US-08-607 | US-08-607 | US-08-112 | PCT-US95- | US-08-248 | US-08-077 | US-08-112 | US-08-248 | US-08-607 | PCT-US95- | PCT-US93- | 545925 | us-08- | 7 US-08-333 | 550634 | 7 US-08-333· |
| 8, Applica | Sequence 3, Applicatio Sequence 8, Applicatio | Sequence 16 | ი ა | Sequence 16 | e 21 | 21 | Sequence 22, Applicati | 11 | e 22 | e 11 | Ψ | \vdash | 10, | Sequence 20, Applicati | 20, | ce 5, | No. 545925 | equence 12, Appli | Sequence 51, Applicati | atent No. | - Sequence 52, Applicati |
| 3.44e- | 7.72e- 3.44e- | 7.72e- | 7.72 | 7.72e- | 1.23e- | 1.23e- | 8.42e- | 8.42 | 8.42e- | 8.42e- | 5.76e-1 | .26e-1 | .26e-1 | .85e-1 | .85e-1 | Ľ | .53e- | .53e-1 | .53e-1 | Ġ | 1.53e-12 |

| 388888 | 88888 | 388888 | 88888888 | 8888888888888 | RESULT ID U XX XX AC x XX DT 0 XX XX |
|--|-------|---|---|--|---|
| TELECOMONION INFORMATION: TELEPHONE: 202-942-8400 TELEPHONE: 202-942-8484 INFORMATION FOR SEQ ID NO: 16: SEQUENCE CHARACTERISTICS: | 04 | CLASSIFICATION: 514 PRIOR APPLICATION DATA: APPLICATION NUMBER: PCT/US95/10103 FILING DATE: 09-AUG-1995 PRIOR APPLICATION DATA: APPLICATION NUMBER: 08/287.427 | COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patenth Release #1.0, Version #1.25 CURRENT APPLICATION DATA: APPLICATION UMBER: US/08/321,071A | Sequence 16, Application US/08321071A Patent NO. 5672686 GENERAL INFORMATION: APPLICANT: CHITTENDEN, Thomas D. TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN BC1-Y, AND METHODS TITLE OF INVENTION: OF USE THEREOF NUMBER OF SEQUENCES: 31 CORRESPONDENCE ADDRESS: ADDRESSEE: Hale and Dorr STREET: 1455 Pennsylvania Avenue, N.W. CITY: Washington STATE: D.C. ZIP: 20004 | LT 1 US-08-321-071A-16 STANDARD; PRT; 211 AA. XXXXXX 01-JAN-1900 Sequence 16, Application US/08321071A. |

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-JAN-1900
                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 15, Application US/08321071A Patent No. 5672686
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               121
        PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/10103
FILING DATE: 09-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/287,427
FILING DATE: 09-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REFERENCE/DOCKET NUMBER: 32,073
REGISTRATION NUMBER: 32,073
REGISTRATION INFORMATION:
TELEPHONE: 202-942-8484
TELEPHONE: 202-942-8484
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            181 LNLGNGPILNVLVVLGVVLLGQFVVRRFFKS 211
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity 99.5%;
 TELEFAX: 202-942-8 INFORMATION FOR SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 MASGGGFGPPRQECGEPALPSASEEQVAQDTEEVFRSYVFYRHQQEQEAEGVAAPADPEM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 MASGQGPGPPRQECGEPALPSASEEQVAQDTEEVFRSYVFYRHQQEQEAEGVAAPADPEM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: peptide
JENCE 211 AA; 23410 MW; 235207 CN;
                                                                                                                                                                       COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/321,071A
FILING DATE: 11-OCT-1994
                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-Y, AND METHODS TITLE OF INVENTION: OF USE THEREOF
                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SGIDWGRVVALLGFGYRLALHVYQHGLTGFLGQVTREVVDFMLHHCIARWIAQRGGWVAA 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      VTLPLQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIATSLFE 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LNLGNGPILNVLVVLGVVLLGQFVVRRFFKS 211
                                                                                                                                                                                                                                                            STATE: D.C. 20004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         VTLPLQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIATSLFE 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: amino acid
STRANDEDNESS: si
TOPOLOGY: linear
                                                                                                                                                              CLASSIFICATION:
                                                                                                                                                                                                                                                                                                     STREET:
                                                                                                                                                                                                                                                                                                                 ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     210;
                                                                                                                                                                                                                                                                                         Washington
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                                                                                                                                                                                                                                                                                                                Hale and Dorr
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Pred. No. 2.88e-127;
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Best Local Similarity 100.0%;
Matches 54; Conservative
                                                SEQUENCE
                                                                                                                 REFERENCE/DOCKET NUMBER: 104
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-942-8400
TELEFAX: 202-942-8484
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 21, Application US/08321071A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 21, Application US/08321071A Patent No. 5672686
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  124 NWGRVVALLGFGYRLALHVYQHGLTGFLGQVTRFVVDFMLHHCIARWIAQRGGW 177
                                                                                                                                                                                 CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/10103
FILING DATE: 09-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/287,427
FILING DATE: 09-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,073
REGISTRATION NUMBER: 104222 1210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC COMPAtible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/321,071A
FILING DATE: 11-OCT-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: CHITTENDEN, Thomas D.
TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-Y,
TITLE OF INVENTION: OF USE THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
LENGTH: 57 amino acids
                                                MOLECULE TYPE: peptide JENCE 54 AA; 6172 MW;
                                                                                                                                                                                                                                                                                                                                                                           MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES: 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE
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TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                              STRANDEDNESS:
                                                                       TOPOLOGY:
                                                                                                         LENGTH:
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 h 25.4%;
Similarity 100.0%;
54; Conservative
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57 AA; 6559 MW; 15838 CN;
                                                                                           amino acid
                                                                                                         54 amino acids
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1455 Pennsylvania Avenue, N.W.
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                                               15712 CN;
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Score 396; DB 7; Le
Pred. No. 4.35e-24;
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Pred. No. 5.47e-29;
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                                                                 PCT-US94-07089-2
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                                                                                                                                                                                                                                                   Local Similarity 100.0%;
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APPLICANT: CHITTE!
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,073
REFERENCE/DOCKET NUMBER: 10
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
ADDRESSEE: Hale and Dorr
STREET: 1455 Pennsylvania Avenue, N.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: CHITTENDEN, Thomas D.
TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-Y, AND METHODS
TITLE OF INVENTION: OF USE THEREOF
NUMBER OF SEQUENCES: 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: 08/287,427 FILING DATE: 09-AUG-1994 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/I
FILING DATE: 09-AUG-1995
PRIOR APPLICATION DATA:
                                                                                                                                                                         VGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIATSLFESG 49
                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                          LENGTH: 49 amino acids TYPE: amino acid STRANDEDNESS: single TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US/OFFILING DATE: 11-OCT-1994 CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEPHONE: 202-942-8484
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                                                                                                                                                                                                                                                                                                                     49 AA;
                                                                                                                                                                                                                                  Conservative
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: 5639 MW; 1
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                                                                 STANDARD;
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                                                                                                                                                                                                                                                                                                                   12778 CN;
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Pred. No. 6.50e-20;
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                                                                                    01-JAN-1900
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Sequence 2, Application Patent No. 5646008 GENERAL INFORMATION: Thompson,
                                                                                                                                                                                   172 AQRGGWV-AAL 181
                                                                                                                                                                                                         179 QENGGWVRTAL 189
                                                                                                                                                                                                                                 112 TKIATSLFESGINWGRVVALLGFGYRLALHVYQHGLTGFLGQVTRFVVDFMLHHCIARWI 171
                                                                                                                                                                                                                                                         120 EQVVNELFHDGVNWGRIVAFFSFGGALCVESVDKEMRVLVGRIVSWMTTYLTDH-LDPWI 178
                                                                                                                                                                                                                                                                                                                                y Match 17.6%;
Local Similarity 28.2%;
hes 37; Conservative
                                                                                                                                                                                                                                                                                52 VAAPADPEMVTLPLQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYF 111
                                                                                                                                                                                                                                                                                                         60 VVNGATVHRSSLEVHEIVRASDVRQALRDAGDEFELRYRRAFSDLTSQLHITPGTAYQSF 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: 713-789-2679 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/08
FILING DATE: 22 JUNE 1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS, ASCII CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: protein JENCE 190 AA; 21467 MW; 192890 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
LENGTH: 190 amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELECOMMUNICATION INFORMATION: TELEPHONE: 512-320-7200
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TITLE OF INVENTION:
NUMBER OF SEQUENCES:
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TRANS: 713-789-2679
TR NO:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: PARKER, David L.
REGISTRATION NUMBER: 32
REFERENCE/DOCKET NUMBER:
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 Thompson, Craig B.
                                                                                                                                                                                                                                                                                                                                                                                                          linear
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                                                                                                                                  STANDARD;
                                     US/08081448
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Pred. No. 8.75e-14;
33; Mismatches 59;
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                                                         Sequence 29, Application PC/TUS9504600
GENERAL INFORMATION:
APPLICANT: LA JULLA CANCER RESEARCH FOUNDATION
TITLE OF INVENTION: Interaction of Proteins Involved
TITLE OF INVENTION: a Cell Death Pathway
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                            179
                                                                                                                                                                                                                                                                                   172 AQRGGWV-AAL 181
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Local Similarity 28.2%;
es 37; Conserva+*...
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INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 190 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION UNDER: US/08/081,448
FILING DATE: 1993662
CLASSIFICATION: 424
CCLASSIFICATION: 424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION:
NAME: NO. 5646008thrup, Thomas E.
REGISTRATION NUMBER: 33,268
REFERENCE/DOCKET NUMBER: ARCD090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE: protein ENCE 190 AA; 21467 MW; 192890 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: 312-744-0090
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TITLE OF INVENTION:
TITLE OF INVENTION:
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                                                                                                                                                                                                                                                                                                           QENGGWVRTAL 189
                                                                                                                                                                                                                                                                                                                                                         EQVVNELFHDGVNWGRIVAFFSFGGALCVESVDKEMRVLVGRIVSWMTTYLTDH-LDPWI 178
                                                                                                                                                                                                                                                                                                                                                                                 VAAPADPEMVTLPLQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYF 111
          STREET: 4370 La Jo
CITY: San Diego
STATE: California
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CITY: Chicago
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: amino acid TOPOLOGY: linear
  COUNTRY:
                                                 ADDRESSEE:
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                                   4370 La Jolla Village Drive,
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321 No. 5646008th Clark Street, Suite 800
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VENTION: Vertebrate Apoptosis Gene:
VENTION: Compositions and Methods
                                                 Campbell and Flores
                                                                                                                                                                                                                                     STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                              Score 274; DB 7; Length 190; Pred. No. 8.75e-14; 33; Mismatches 59; Indels
                                                                                                                                                                                                                                    PRT;
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Best Local Similarity 28.3%;
Matches 30; Conservative
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                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY AGENT INFORMATION:
NAME: Imbra, Richard J.
REGISTRATION NUMBER: 37,643
REFERENCE/DOCKET NUMBER: FP-L
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  78 LAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIATSLFESGINWGRVVALLGFGYR 137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: (619) 535-8949 INFORMATION FOR SEQ ID NO: :
 CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION UNBER: US 08/226,876
FILING DATE: 13-APR-1994
                                                                                                                                                                                                                                      APPLICANT: Reed, John C.
APPLICANT: Sato, Takaaki
TITLE OF INVENTION: Interaction of Proteins Involved
TITLE OF INVENTION: Cell Death Pathway
NUMBER OF SEQUENCES: 29
                                                                       SOFTWARE: PatentIn Release #1.0, Version CURRENT APPLICATION DATA:
                                                                                                                                      COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
LENGTH: 236 amino acid
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                                                                                            MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COPERATING SYSTEM: PC-DOS/MS-DOS
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                 FILING DATE:
                                                                                                                                                                                    STREET: 4370 La
CITY: San Diego
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FILING DATE: 12-APR-1995
                                                             APPLICATION NUMBER:
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                                                             US/08/607, 269
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Pred. No. 1.88e-13;
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24; Mismatches 51;
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                        SEQUENCE
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les 30; Conser
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INFORMATION FOR SEQ ID NO:
                                                                               TELEFAX: (619) 535-89.
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                              COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/04600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 9882
TELECOMMUNICATION INFORMATION:
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MEDIUM TYPE: Floppy disk
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LENGTH: 236 amino acid
                                                                                                     TELECOMMUNICATION INFORMATION: TELEPHONE: (619) 535-9001
                                                                                                                           ATTORNEY/AGENT INFORMATION:
NAME: Imbra, Richard J.
REGISTRATION NUMBER: 37,643
REFERENCE/DOCKET NUMBER: FP
                                                                                                                                                                                                                                                                                         STREET: 43, CITY: San Diego CTATE: California
                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: Interaction of Prote
                                                                     SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                          FILING DATE: 1
CLASSIFICATION:
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                       233 AA; 26063 MW; 275311 CN;
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llarity 28.3%;
Conservative
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GY: linear
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(619) 53
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                                                       233 amino acids
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                                                                                                                                                                                                                                                                                                                                          Campbell and Flores
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 17.0%;
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Pred. No. 1.88e-13;
24; Mismatches 51
 Score 266; DB 14;
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 Length 233;
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                                                                       Best Local Similarity Matches 36; Conser
                                                                                                Query Match
                                                                                                                          SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 108 YEYFTKIATSLFESGINWGRVVALLGFGYRLALHVYQHGLTGFLGQVTRFVVDFMLHHCI 167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        120 YQSFEQVVNELFRDGVNWGRIVAFFSFGGALCVESVDKEMQVLVSRIAAWMATYLNDH-L 178
120 YQSFEQVVNELFRDGVNWGRIVAFFSFGGALCVESVDKEMQVLVSRIAAWMATYLNDH-L 178
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                                                61 DSPAVNGATGHS-SSLDAREVIPMAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTA 119
                                                                                                                                                                                     INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         61 DSPAYNGATAHS-SSLDAREVIPMAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTA 119
                        48 EAEGVAAPADPEMVTLPLQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENA 107
                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER: AF TELECOMMUNICATION INFORMATION: 512-320-7200
                                                                                                                                                                                                                                                                                                                                                   OPERATING SYSTEM: PC-D
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PC
FILING DATE: CONCURREN
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MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
                                                                                                                                    MOLECULE TYPE:
                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 08/0 FILING DATE: 22 JUNE 199 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION:
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                                                                                                                                                             TYPE:
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233 AA; 26049 MW; 275801 CN;
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PARKER, David L.
22,165
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25.5%;
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Compositions and Methods
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                                                                        Score 266; DB 13;
Pred. No. 4.03e-13;
42; Mismatches 60;
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                                                                                                                                                                                         SEQUENCE
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                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.25
SOFTWARE: PATENTIN RATA:
APPLICATION NUMBER: US/08/081,448
FILING DATE: 1930622
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: NO. 5646008thrup, Thomas E.
REGISTRATION NUMBER: 33,268
REGISTRATION NUMBER: 33,268
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         179
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  179 EPWIQENGGWDTFVELYGNNA 199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            168 ARWIAQRGGWVAALNL-GNGP 187
                                                                                             48
                                                                                                                 61 DSPAVNGATAHS-SSLDAREVIPMAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTA 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                   TELEFAX: 312-755-4489
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 233 amino acids
                                                                                                                                                    Match 17.0%;
Local Similarity 25.5%;
                                                                                                                                                                                   TOPOLOGY: linear
MOLECULE TYPE: protein
JENCE 233 AA; 26063 MW; 275311 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Thompson, Craig B.
APPLICANT: Boise, Lawrence H.
TITLE OF INVENTION: Vertebrate Apoptosis Gene:
TITLE OF INVENTION: Compositions and Methods
                                                                                                                                                                                                                                                                                    TELEPHONE: 312-744-0090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES:
ARWIAQRGGWVAALNL-GNGP 187
                       EPWIQENGGWDTFVELYGNNA 199
                                             YEYFTKIATSLFESGINWGRVVALLGFGYRLALHVYQHGLTGFLGQVTRFVVDFMLHHCI 167
                                                                   YQSFEQVVNELFRDGVNWGRIVAFFSFGGALCVESYDKEMQVLVSRIAAWMATYLNDH-L 178
                                                                                            EAEGVAAPADPEMVTLPLQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENA 107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET: 321 NO
CITY: Chicago
STATE: IL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY: U
                                                                                                                                                                                                                          TYPE:
                                                                                                                                                                                                                                                                                   TELEPHONE:
                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: ARCD090
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                                                                                                                                            36;
                                                                                                                                                                                                                          amino acid
                                                                                                                                          Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             USA
                                                                                                                                                                                                                                                                                                                                                                                                                                         Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STANDARD;
                                                                                                                                                    Score 266; DB 7;
Pred. No. 4.03e-13;
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                                                                                                                                         Mismatches 60; Indels
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                                                                                              168 ARWIAQRGGWVAALNL-GNGP 187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 24, Application US/08607269 Patent No. 5702897
                                                                                                                                              108
                                                                                                                      179 EPWIQENGGWDTFVELYGNNA 199
                                                                                                                                                                   120 YQSFEQVVNELFRDGVNWGRIVAFFSFGGALCVESVDKEMQVLVSRIAAWMATYLNDH-L 178
                                                                                                                                                                                                              61 DSPAVNGATAHS-SSLDAREVIPMAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTA 119
                                                                                                                                                                                                                                         7 Match 17.0%;
Local Similarity 25.5%;
les 36; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
                                                                                                                                                                                          48 EAEGVAAPADPEMVTLPLQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENA 107
                                                                                                                                                                                                                                                                                                                                                   TELEFAX: (619) 535-8949 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell and Flores
STREET: 4370 La Jolla Village Drive, Suite
                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 13-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: Patentin Rel
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: P-
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: Interaction of Proteins Involved in TITLE OF INVENTION: Cell Death Pathway
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Reed, John C. APPLICANT: Sato, Takaaki
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES:
                                                                                                                                            YEYFTKIATSLFESGINWGRVVALLGFGYRLALHVYQHGLTGFLGQVTRFVVDFMLHHCI 167
                                                                                                                                                                                                                                                                                                            TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STATE:
                                                                                                                                                                                                                                                                                                  TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
                                                                                                                                                                                                                                                                                        233 AA; 26063 MW; 275311 CN;
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Pred. No. 4.03e-13;
42; Mismatches 60
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STANDARD;

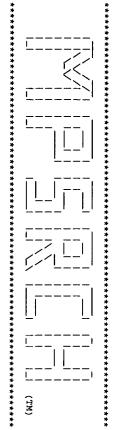
PRT;

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Best Local Similarity 25.5%;
Matches 36; Conservative
                                                                             Sequence 14, Application PC/TUS9606122
                                                                                                       01-JAN-1900
                                                                                                                                                         T 14
PCT-US96-06122-14
                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 59, Application US/08333565
                                                                                                                                XXXXXX
Sequence 14, Application PC/TUS9606122
GENERAL INFORMATION:
APPLICANT: IMMUNOGEN, INC.
TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS
TITLE OF INVENTION: WHICH MODULATE APOPTOSIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 59, APP---
                                                                                                                                                                                                           168 ARWIAQRGGWVAALNL-GNGP 187
                                                                                                                                                                                                                                     179 EPWIQENGGWDTFVELYGNNA 199
                                                                                                                                                                                                                                                                                      120 YOSFEQVVNELFRDGVNWGRIVAFFSFGGALCVESVDKEMQVLVSRIAAWMATYLNDH-L 178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER: 15726A-000700
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 59:
SEQUENCE CHARACTERISTICS:
LENGTH: 233 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                  48
                                                                                                                                                                                                                                                                                                                                          61 DSPAVNGATGHS-SSLDAREVIPMAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTA 119
                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: amino acid
STRANDEDNESS: single
STRANDESS: single
TOPOLOGY: unknown
MOLECULE TYPE: peptide
UENCE 233 AA; 26049 MW; 275801 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, 1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/333,565
FILING DATE: 31-OCT-1994
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: Bcl-x/Bcl TITLE OF INVENTION: REGULATOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 30,223
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Khourie and Crew
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                  EAEGVAAPADPEMVTLPLQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENA 107
                                                                                                                                                                                                                                                               YEYFTKIATSLFESGINWGRVVALLGFGYRLALHVYQHGLTGFLGQVTRFVVDFMLHHCI 167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   California
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          KORSMEYER, Stanley J. PENTION: Bcl-x/Bcl-2 ASSOCIATED CELL DEATH
                                                                                                                                                          STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                    Score 266; DB 7;
Pred. No. 4.03e-13
42; Mismatches 60
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                                                                                                                                                                                                                                                                                US-08-440-391-14
                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE
                                                                                                                                                                                    Sequence 14, Application US/08440391 Patent No. 5656725
                                                                                                                                                                                                                                                                                                                                                                y Match 16.7%; Local Similarity 100.0%; hes 36; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                       INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                       65 LQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHL 100
                                                                                                                                                                                                                                                                                                                                  1 LQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHL 36
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: 10
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-942-8400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION DATA:
APPLICATION NUMBER: PC'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
                                                                                                              NUMBER OF SEQUENCES: 3
                                                                                                                                  TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS WHICH TITLE OF INVENTION: MODULATE APOPTOSIS
                                                                                                                                                      APPLICANT: CHITTENDEN, 1
APPLICANT: LUTZ, Robert
                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STATE: L. 20004
                                                    STATE: D. 2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE: 202-942-8484
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                        STREET: 1455
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 0 FILING DATE: 12-MAY-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REGISTRATION NUMBER:
                                                                                                    ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                         LE TYPE: peptide
36 AA; 4120 MW; 6096 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                      amino acid
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1455 Pennsylvania Avenue, N.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  36 base pairs
                                                                                         1455 Pennsylvania Avenue, N.W
                                                                                                                                                                CHITTENDEN, Thomas D.; and
                                                                                                                                                                                                                                                                                                                                                                                                                             linear
                                                                                                    Hale and Dorr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HEREWITH
                                                                                                                                                                                                                                                                                STANDARD;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PCT/US96/06122
                                                                                                                                                                                                                                                                                                                                                               Score 260; DB 15;
Pred. No. 1.26e-12;
0; Mismatches 0
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           Version #1.25
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Release 3.0.5AA John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1997 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd

MPsrch_pp protein - protein database search, using Smith-Waterman algorithm

Tabular output not generated. Run on: Wed May 6 09:37:57 1998; MasPar time 3.48 Seconds 347.077 Million cell updates/sec

Title:

Description:
Perfect Score:
Sequence: >US-08-320-157-9
(1-21) from US08320157.pep
1554
1 MASGQGFGFPRQECGEPALF.....LVVLGVVLLGQFVVRRFFKS 211

Scoring table: PAM 150 Gap 11

Searched: 62627 seqs, 5720858 residues

Post-processing: Minimum Match 0% Listing first 45 summaries

Database:

a-issued 1:back1 2:51 3:52 4:53 5:54 6:55 7:56 8:57 9:PCT90 10:PCT91 11:PCT92 12:PCT93 13:PCT94 14:PCT95 15:PCT96

Statistics: Mean 30.614; Variance 144.887; scale 0.211

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match I | Length | ₽B | ID | Description | Pred. No. |
|---------------|-------|------------------|--------|----|------------|------------------------|-----------|
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| 2 | 438 | 28.2 | - | 7 | -80- | 15, Appli | e-28 |
| ω | 387 | ٠. | 54 | 7 | US-08-321- | 21, | ÷ |
| 4 | 344 | | | 7 | US-08-321- | e 25, | .01e- |
| տ | 271 | 7. | | 13 | PCT-US94-0 | 'n | 1.40e- |
| 6 | 271 | 7. | 190 | 7 | us-08-081- | 2 | 1.40e-1 |
| 7 | 266 | | | 14 | PCT-US95-0 | Sequence 23, Applicati | 3.66e-1 |
| 8 | 266 | | | œ | US-08-607- | Sequence 23, Applicati | 3.66e-1 |
| 9 | 264 | | | 14 | PCT-US95-0 | Sequence 24, Applicati | 5.36e-1 |
| 10 | 264 | 17.0 | | 3 | PCT-US94-0 | Sequence 7, Applicatio | |
| H | 264 | | | 7 | US-08-081- | Sequence 6, Applicatio | 5.36e-1 |
| 12 | 264 | | | œ | US-08-607- | Sequence 24, Applicati | 5.36e- |
| 13 | 264 | | | 7 | | 59 | 5.36e- |
| 14 | 263 | | | 8 | US-08-607- | 29 | 6.49e- |
| 15 | 263 | | | 14 | PCT-US95-0 | 29 | 6.49e- |
| 16 | 260 | | | 15 | PCT-US96-0 | Sequence 14, Applicati | 1.15 |
| 17 | 260 | | | 7 | US-08-440- | 14 | 1.15e- |
| 18 | 260 | | | 7 | US-08-081- | 4, | 1.15e- |
| 19 | 260 | | | æ | US-08-248- | 13 | 1.15e- |
| 20 | 260 | | | 3 | PCT-US94-0 | <u>ر</u> | .15e- |
| 21 | 260 | | | Н | 5459251-4 | Patent No. 5459251. | 1.15e-12 |
| 22 | 260 | 16.7 | 205 | ۲ | 5506344-5 | No. | .15e- |
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|--------------------------|------------------------------|------------------------------|--------------------|------------|------------|------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------|------------|------------|------------------------------|------------------------------|------------|---------------|
| 221 | 226 | 226 | 250 | 251 | 251 | 251 | 251 | 253 | 256 | 256 | 259 | 259 | 260 | 260 | 260 | 260 | 260 | 260 |
| 14.2 14.2 | 14.5 | | | 16.2 | | | | | | | | | | | | | | |
| | 31 7 31 15 | | | | | 236 14 | | | | | | | | | | | | 205 7 |
| US-08-248 US-08-112 | PCT-US96-0 | US-08-440- | PCT-US95-0 | US-08-607- | US-08-112- | PCT-US95- | | US-08-077 | US-08-112 | US-08-248 | US-08-607- | PCT-US95-0 | PCT-US93-0 | 5459251-2 | US-08-248 | US-08-333 | 5506344-2 | US-08-333 |
| - Sequence - Sequence | Sequence | Sequence | Sequence | | | 0 Sequence | Sequence | |) Sequence | Patent No. | Sequence | Sequence | Patent No. | - Sequence |
| ά α | 3, | 3, | 21, App 21, App | 22, Appli | 11, Appl | 22, Appl | 11, App | 3, Appli | 10, Appl | 10, | 20, | 20, | 5, | 5 | 12, | : 51, Applicati | Ç, | 52, Applicati |
| 1.83e-09 1.83e-09 | 7.15e- 7.15e- | 7.15e- 7.15e- | | .376 | .37€ | 37 | .37∈ | .36e- | . 4 6e | . 466 | .39∈ | 1.39e | 1.15e | 15e | 15e | 15e | 1.15e-12 | 1.15e-12 |

| 888 | 38 | 88 | ဂိ | 88 | 3 6 | 38 | 8 | റ്റ | င္ပ | င္ပ | ဂ္ဂ | ဂ | င္ပ | င္ပ | င္ပ | 3 | င္ပ | င္ပ | င္ပ | င္ပ | င္ပ | င္ပ | 8 | S | 8 | G | 8 | ဂ | င္ပ | င္ပ | S | င္ပ | X | X | ; [| A C | X | RESULT ID U | |
|---|-------------------------|--|---------------------|-----------------------|------------------------------|----|-----|--------------------------|------------------------------------|-----|---------------------|---|------------------------------------|----------------|-----|---|-----|-----|-----|-----|-------------|------------|-----------|--------------------------|---|------------------|------------------------------|---------------------|----------------------------------|----------------------|--------------------|---------------------------------------|--|----------------|-------------|--------|---|--|--|
| INFORMATION FOR SEQ ID NO: 16: SEQUENCE CHARACTERISTICS: | TELEPHONE: 202-942-8400 | REFERENCE/DOCKET NUMBER: 104322.121CIP | RATION NUMBER: 32,0 | NAME: WIXON, HENRY N. | ATTORNEY /AGENT INFORMATION: | Z | 100 | FILING DATE: 09-AUG-1995 | APPLICATION NUMBER: PCT/US95/10103 | | CLASSIFICATION: 514 | 7 | APPLICATION NUMBER: US/08/321,071A | LICATION DATA: | | ຜ | ≃_ | | × | Ň | STATE: D.C. | Washington | 55 Pennsy | ADDRESSEE: Hale and Dorr | ŝ | OF SECUENCES: 31 | OF INVENTION: OF USE THEREOF | NVENTION: APOPTOSIS | APPLICANT: CHITTENDEN, Thomas D. | GENERAL INFORMATION: | Patent No. 5672686 | Sequence 16, Application US/08321071A | sequence to, Application US/083210/1A. | 16 Appliantion | 01-JAN-1900 | XXXXXX | | US-08-321-071A-16 STANDARD; PRT; 211 AA. | |

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Best Local Similarity 96.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 211 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE 211 AA; 23410 MW; 235207 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-JAN-1900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-321-071A-15
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                                                                                                                                                                                                                                                                                                                                                                                                             Patent No. 5672686
GENERAL INFORMATION:
APPLICANT: CHITTE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          121
                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 15, Application US/08321071A Patent No. 5672686
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    181 LNLGNGPILNVLVVLGVVLLGQFVVRRFFKS 211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   121 SGIDWGRVVALLGFGYRLALHVYOHGLTGFLGQVTRFVVDFMLHHCIARWIAQRGGWVAA 180
                                               APPLICATION NUMBER: PCT/US95/10103

FILING DATE: 09-AUG-1995

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/287,427

FILING DATE: 09-AUG-1994

ATTORNEY/AGENT INFORMATION:
NAME: MIXON, HENRY N.
REGISTRATION NUMBER: 32,073

REGISTRATION NUMBER: 104322.121CIP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      181 LNLGNGPILNVLVVLGVVLLGQFVVRRFFKS 211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    61 VTLPLQPSSTMGQVGRQLAIIGDDINRRYDSEPQTMLQHLQPTAENAYEYFTKIATSLFE 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        61 VTLPLQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIASSLFE 120
 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 MASGQGPGPPRQECGEPALPSASEEQVAQDTEEVFRSYVFYHHQQEQEAEGAAAPADPEM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 MASGQGPGPPRQECGEPALPSASEEQVAQDTEEVFRSYVFYRHQQEQEAEGVAAPADPEM
                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                 CLASSIFICATION: 514
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                SOPTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: APOPTOSIS RELATION: OF USE THEREOF
                       TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-942-8400
                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES:
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STATE: U...
20004
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                                                                                                                                                                                          APPLICATION NUMBER: US/0 FILING DATE: 11-OCT-1994
                                                                                                                                                                                                                                                                                                                     CITY: Washington
                                                                                                                                                                                                                                                                                                                                   STREET:
                                                                                                                                                                                                                                                                                                                                               ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                               1455 Pennsylvania Avenue,
              202-942-8484
                                                                                                                                                                                                                                                                                                                                                                                                CHITTENDEN, Thomas D.
VENTION: APOPTOSIS RELATED PROTEIN Bcl-Y, AND METHODS
                                                                                                                                                                                                                                                                                                                                                 Hale and Dorr
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Pred. No. 9.20e-125;
6; Mismatches 1;
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                                               SEQUENCE
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SEQUENCE 57
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 21,
Patent No. 5
                                                                                                                         TELEPHONE: 202-942-84
TELEFAX: 202-942-8484
INFORMATION FOR SEQ ID NO:
                                                                                                                                            APPLICATION NUMBER: 08/287,4
ETILING DATE: 09-AUG-1994
ATTORNEY_AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,073
REFERENCE/DOCKET NUMBER: 104
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-942-8400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
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                                              MOLECULE TYPE: peptide JENCE 54 AA; 6172 MW;
                                                                                                   SEQUENCE CHARACTERISTICS LENGTH: 54 amino acid
                                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC COMPAtible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 57 amino acids
                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                            STREET: 145
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: CHITTENDEN, Thomas D.
TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES:
                                                                LENGTH: 54 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                               APPLICATION NUMBER: PCT/
FILING DATE: 09-AUG-1995
                                                                                                                                                                                                                                                                                  CLASSIFICATION:
                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US/08/321,071A FILING DATE: 11-OCT-1994
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  h 24.9%;
Similarity 96.3%;
52; Conservative
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Similarity 94.4%;
51; Conservative
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57 AA; 6559 MW; 1
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5672686
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1455 Pennsylvania Avenue, N.W.
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                                               15712 CN;
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bred. No. 8.85e-28;
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Score 387; DB 7; Le
Pred. No. 2.17e-23;
2; Mismatches 0;
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US-08-321-071A-25

STANDARD;

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                                  PCT-US94-07089-2
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                                                                              74
                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO:
                                                                                          1 VGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIATSLFESG 49
                                                                                                                                                              TOPOLOGY: linear
MOLECULE TYPE: peptide
JENCE 49 AA; 5639 MW; :
                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 08/287,427
FILING DATE: 09-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,073
REFERENCE/DOCKET NUMBER: 10432
                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: PCT/
FILING DATE: 09-AUG-1995
PRIOR APPLICATION DATA:
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TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-Y, AND METHODS
TITLE OF INVENTION: OF USE THEREOF
                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                        TELECOMMUNICATION INFORMATION: TELEPHONE: 202-942-8400
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                                                                              VGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIASSLFESG 122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STATE: L..
20004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES:
                                                                                                                                                                                                   LENGTH: 49 amino acids
TYPE: amino acid
STRANDENES: single
                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US/08/321,071A FILING DATE: 11-OCT-1994
                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: Washington
                                                                                                                                                                                                                                                                       TELEPHONE:
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                                                                                                                          48;
                                                                                                                         Conservative
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1455 Pennsylvania Avenue, N.W.
                                                                                                                                                                                                                                                               202-942-8484
                                                                                                                                                                                                                                                                                                                                                                                                                                                        PatentIn Release #1.0, Version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Floppy disk
                                                                                                                       22.1%; Score 344; DB 7; Le 98.0%; Pred. No. 1.01e-19; vative 1; Mismatches 0;
                                  STANDARD;
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Best Local Similarity 28.1%;
Conservative
                                                       Sequence 2, Application US/08081448
                                                                                01-JAN-1900
                                                                                                       XXXXXX
                                                                                                                             US-08-081-448-2
                                                                                                                                                                                                                                                                                                                                                                SEQUENCE
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                      Sequence 2, Application Patent No. 5646008
                                                                                                                                                                       181 L 181
                                                                                                                                                                                               189 L 189
                                                                                                                                                                                                                       122
                                                                                                                                                                                                                                             130 GVNWGRIVAFFSFGGALCVESVDKEMRVLVGRIVSWMTTYLTDH-LDPWIQENGGWVRTA 188
GENERAL INFORMATION:
APPLICANT: Thomps
                                                                                                                                                                                                                                                                     62
                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: 713-789-2679
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 190 amino acids
                                                                                                                                                                                                                                                                                          70 SLEVHEIVRASDVRQALRDAGDEFELRYRRAFSDLTSQLHITPGTAYQSFEQVVNELFHD 129
                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: PARKER, David L.
REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: ARCI
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512-320-7200
TELEFAX: 713-789-2679
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS, ASCII CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: protein 
TENCE 190 AA; 21467 MW; 192890 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 22 JUNE 1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
                                                                                                                                                                                                                       GINWGRVVALLGFSYRLALHIYQRGLTGFLGQVTRFVVDFMLHHCIARWIAQRGGWV-AA 180
                                                                                                                                                                                                                                                                   TLPLQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIASSLFES 121
                                                                                                                                                                                                                                                                                                                                                                                     TYPE: amino acid TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: C
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: UZIP: 77210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE:
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Thompson, Craig
                                                                                                                                                                                                                                                                                                                                                                                   linear
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                                                                                                                             STANDARD;
                                 US/08081448
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Pred. No. 1.40e-13;
36; Mismatches 49
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                                                                                                                            190 AA
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                                                                                                                                                           Sequence 23, Application PC/TUS9504600
                                                                                                                                                                                     01-JAN-1900
                                                                                                                                                                                                                                      PCT-US95-04600-23
                                                         Sequence 23, Application PC/TUS9504600
GENERAL INFORMATION:
APPLICANT: LA JOLLA CANCER RESEARCH FOUNDATION
TITLE OF INVENTION: Interaction of Proteins Involved in
TITLE OF INVENTION: a Cell Death Pathway
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                     181 L 181
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: 312-755-4489
INFORMATION FOR SEQ ID NO: 2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: No. 564608thrup, Thomas E. REGISTRATION NUMBER: 33,268
REFERENCE/DOCKET NUMBER: ARCD090
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-744-0090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/081,448
FILING DATE: 19930622
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
STREET: San Diego
CITY: San Diego
CMATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear
MOLECULE TYPE: protein
JENCE 190 AA; 21467 MW; 192890 CN;
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ADDRESSEE: Arnold, White & Durkee
STREET: 321 No. 5646008th Clark Street, Suite
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 190 amino acid
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MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Boise, Lawrence ...
TITLE OF INVENTION: Vertebrate Apoptosis Gene:
TITLE OF INVENTION: Compositions and Methods
                                                                                                                                                                                                                                                                                                                                   GINWGRVVALLGFSYRLALHIYQRGLTGFLGQVTRFVVDFMLHHCIARWIAQRGGWV-AA 180
                                                                                                                                                                                                                                                                                                                                                          GVNWGRIVAFFSFGGALCVESVDKEMRVLVGRIVSWMTTYLTDH-LDPWIQENGGWVRTA 188
                                                                                                                                                                                                                                                                                                                                                                                  TLPLQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIASSLFES 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: Chicago
                                                ADDRESSEE:
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Similarity 28.1%;
34; Conservative
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                                   4370 La Jolla Village Drive, Suite
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                                                 Campbell and Flores
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                                                                                                                                                                                                                                    STANDARD;
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Pred. No. 1.40e-13;
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Best Local
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                                                                                                                                                                                                                                                           GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: PCT/US95/
FILING DATE: 12-APR-1995
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Imbra, Richard J.
REGISTRATION NUMBER: 37,643
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Match 17.18;
Local Similarity 28.58;
es 41; Conservative
         COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIA Release #1.0,
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/607,269
                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                         APPLICANT: Reed, John C.
APPLICANT: Sato, Takaaki
TITLE OF INVENTION: Interaction of Proteins Involved in
TITLE OF INVENTION: Cell Death Pathway
NUMBER OF SEQUENCES: 29
                                                                                                                                                                 CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell and Flores
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER: FP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
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COMPUTER READABLE FORM:
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                                                                                                                             STREET: 4370 La
CITY: San Diego
STATE: Californ:
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TYPE: amino acid
TOPOLOGY: linear
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                              COUNTRY:
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                                                                                                    92122
                                                                                                                             California
                                                                                                                                                  4370 La Jolla
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          US/08/607,269
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Pred. No. 3.66e-13;
42; Mismatches 56
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CLASSIFICATION: 435 PRIOR APPLICATION DATA:

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Best Local Similarity 28.5%;
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APPLICANT: LA JOLLA CANCER RESEARC!
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                                                                                    COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/04600
FILING DATE: 12-APR-1995
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US 08/2:
FILING DATE: 13-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
          ATTORNEY/AGENT INFORMATION:
NAME: Imbra, Richard J.
REGISTRATION NUMBER: 37,643
REFERENCE/DOCKET NUMBER: FP-LJ 1361
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                        TITLE OF INVENTION: Interaction of Prote:
TITLE OF INVENTION: a Cell Death Pathway
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PFTAHGRFVAVVEELFRDGVNWGRIVAFFEEFGGVMCVESVNREMSPLVDNIATWMTEYLN 176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: amino acid
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                                                                                                                                                                                                                                      STREET: 4370 La CITY: San Diego
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                                                                                                                                                                                                                              STATE:
                                                                                                                                                                                                             COUNTRY:
                                                                                                                                                                                                                                                                   ADDRESSEE: Campbell and Flores
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233 AA; 25687 MW; 280319 CN;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (619) 535-8949
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 (619)
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Pred. No. 3.66e-13;
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Query Match
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Best Local :
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                                                          SEQUENCE
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APPLICANT:
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Local Similarity 28.0%;
les 33; Conservation
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO:
                                                                                         TELEFAX: 713-789-2679
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 233 amino acid
TYPE: amino acid
                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS, ASCII CURRENT APPLICATION DATA:
                                                      MOLECULE TYPE: protein
JENCE 233 AA; 26049 MW; 275801 CN;
                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                            APPLICATION NUMBER: 08/08 FILING DATE: 22 JUNE 1993 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                  CLASSIFICATION:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION:
                                                                                                                                                   TELEPHONE: 512-320-7200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 233 amino acids TYPE: amino acid TOPOLOGY: linear
                                                                                 TOPOLOGY:
                                                                                                                                                                            REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                         NAME: PARKER, David L. REGISTRATION NUMBER: 3
                                                                                                                                                                                                                                                                           APPLICATION NUMBER: FILING DATE: CONCU
                                                                                                                                                                                                                                                                                                                                     MEDIUM TYPE:
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         17.0%;
ilarity 28.0%;
Conservative
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                                                                                                   233 amino acids
                                                                                                                                         713-789-2679
                                                                                                                                                                                                                                                                                                                                                                         United States of America
                                                                                linear
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                                                                                                                                                                                                                                                                                                                                    Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STANDARD;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Vertebrate Apoptosis Gene
                                                                                                                                                                                                                                        08/081.448
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         Score 264; DB 13;
Pred. No. 5.36e-13;
37; Mismatches 46
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Pred. No. 5.36e-13;
37; Mismatches 46
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                                                                                                                                                                           ARCD090
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Best Local
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XXXXXX
                       US-08-607-269-24
                                                                                                                                                                                                                  SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:

APPLICANT: Thompson, Craig B.

APPLICANT: Boise, Lawrence H.

TITLE OF INVENTION: Vertebrate Apoptosis Gene:

TITLE OF INVENTION: Compositions and Methods
                                                                                                                     71
                                                                                                                              83 MAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTAYQSFEQVVNELFRDGVNMGRIVA 142
                                                                                                                                                                                                                                                                                      TELEFAX: 312-755-4489
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
NAME: NO. 5646008thrup, Thoma
REGISTRATION NUMBER: 3,268
REFERENCE/DOCKET NUMBER: ARCD
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-744-0990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       71
                                                                                                                                                                             Match 17.0%;
Local Similarity 28.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                   MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                             MOLECULE TYPE: protein JENCE 233 AA; 26063 MW; 275311 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 233 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS
                                                                 LLGFSYRLALHIYQRGLTGFLGQVTRFVVDFMLHHCIARWIAQRGGWVAALNL-GNGP 187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LIGESYRLALHIYQRGLTGELGQVTREVVDEMLHHCIARWIAQRGGWVAALNL-GNGP 187
                                                                                          FFSFGGALCVESVDKEMQVLVSRIAAWMATYLNDH-LEPWIQENGGWDTFVELYGNNA 199
                                                                                                                MGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIASSLFESGINWGRVVA 130
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                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US
FILING DATE: 19930622
CLASSIFICATION: 424
                                                                                                                                                                                                                                       TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                       TELEPHONE: 312-755-4489
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY: U
ZIP: 60610
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE:
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                                                                                                                                                                  Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        USA
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                       STANDARD;
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37; }
                                                                                                                                                                             Score 264; DB 7;
Pred. No. 5.36e-13;
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                                                                                                                                                                 Mismatches 46; Indels
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Best Local Similarity 28.0%;
Matches 33; Conservative
                                                                         Sequence 59, Application US/08333565
                                                                                                     01-JAN-1900
                                                                                                                                                     US-08-333-565-59
                                                                                                                                                                                                                                                                                                                                                       SEQUENCE
                                                                                                                              XXXXXX
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                                     Sequence 59, Application US/08333565
Patent No. 5622852
                                                                                                                                                                                                   131 LLGFSYRLALHIYQRGLTGFLGQVTRFVVDFMLHHCIARWIAQRGGWVAALNL-GNGP 187
                                                                                                                                                                                                                          143 FFSFGGALCVESVDKEMQVLVSRIAAWMATYLNDH-LEPWIQENGGWDTFVELYGNNA 199
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GENERAL INFORMATION:
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GENERAL INFORMATION:
APPLICANT: KORSMEYER, Stanley J.
TITLE OF INVENTION: Bcl-x/Bcl-2 ASSOCIATED CELL DEATH
                                                                                                                                                                                                                                                                         83 MAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTAYQSFEQVVNELFRDGVNWGRIVA 142
                                                                                                                                                                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER: P-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                   71 MGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIASSLFESGINWGRVVA 130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US 08/2:
FILING DATE: 13-APR-1994
ATTORNEY_AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Reed, John C.
APPLICANT: Sato, Takaaki
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                              LENGTH: 233 amino acids
TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDIUM TYPE:
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: California
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                                                                                                                                                   STANDARD;
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Pred. No. 5.36e-13
37; Mismatches 40
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                             143 FFSFGGALCVESVDKEMQVLVSRIAAWMATYLNDH-LEPWIQENGGWDTFVELYGNNA 199
                                                                                                                                                                                      Patent No.
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Local Similarity 28.0%;
hes 33; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                            83 MAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTAYQSFEQVVNELFRDGVNWGRIVA 142
                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: (415) 326-2422 INFORMATION FOR SEQ ID NO: 59:
                                                                                            APPLICANT: Reed, John C.
APPLICANT: Sato, Takaaki
TITLE OF INVENTION: Interaction of Proteins Involved in
TITLE OF INVENTION: Cell Death Pathway
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: unknown
MOLECULE TYPE: peptide
JENCE 233 AA; 26049 MW; 275801 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 233 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 15726A-000700
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
TELEPHONE: (415) 326-2400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                       LLGFSYRLALHIYQRGLTGFLGQVTRFVVDFMLHHCIARWIAQRGGWVAALNL-GNGP 187
                           COUNTRY: UZIP: 92122
                                                 CITY: San Diego
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US/0 FILING DATE: 31-OCT-1994 CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: amino acid
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                                                                           STREET:
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                                                                         E: Campbell and Flores
4370 La Jolla Village Drive, Suite
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 379 Lytton Avenue
                                       USA
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Pred. No. 5.36e-13;
37; Mismatches 46; Indels
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                                                                                                                                                                                                                                                                                                     236 AA
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Best Local :
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                                        COMPUTER: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/04600
FILING DATE: 12-APR-1995
CLASSIFICATION:
ATTORNEY/AGFWM ---
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PRIOR APPLICATION NUMBER: US 08/226, E
FILING DATE: 13-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
NAME: MINDER: 31,715
                                                                                                                                                                                                                                                                                                     Sequence 29, Application PC/TUS9504600 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 138 LALHIYORGLTGFLGOVTRFVVDFMLHHCIARWIAORGGWVAALNL 183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         154 MCVXSVXXEMXPLVXXIAXWMTXYLNRH-LXXWIQDNGGWDXFVEL 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              94 LRRAGDXFXRRYXRXFXXMXXQLHLTPXTAXXXFXXVVXELFRDGVNWGRIVAFFXFGGX 153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEPAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 29:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Match 16.9%;
Local Similarity 27.4%;
          ATTORNEY/AGENT INFORMATION:
NAME: Imbra, Richard J.
REGISTRATION NUMBER: 37,643
REFERENCE/DOCKET NUMBER: FP
                                                                                                                                                                                                                                                               APPLICANT: LA JOLLA CANCER RESEARCH FOUNDATION
TITLE OF INVENTION: Interaction of Proteins Involved
TITLE OF INVENTION: a Cell Death Pathway
                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
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TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIASSLFESGINWGRVVALLGFSYR 137
                                                                                                                                                                                          CITY: San Diego
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear
NCE 236 AA; 26679 MW; 437248 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: FILING DATE:
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SOFTWARE: Patent
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1: 236 amino acids amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                 4370 La Jolla
                                                                                                                                                                                USA
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SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 263; DB 8;
Pred. No. 6.49e-13;
25; Mismatches 51
                                                                                                                                                                                                                 Village Drive, Suite 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           08/226,876
           FP-LJ
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CC TELEPHONE: (619) 535-9001
CC INFORMATION FOR SEQ ID NO: 29:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 236 amino acids
CC TYPE: amino a
```

************* *********************** (MT)

Release 3.0.5AA John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1997 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd

Run on: MPsrch_pp protein - protein database search, using Smith-Waterman algorithm Wed May 6 09:41:12 1998; MasPar time 2.20 Seconds 229.083 Million cell updates/sec

Tabular output not generated.

>US-08-320-157-21 (1-88) from US08320157.pep 643

Description: Perfect Score: Sequence:

1 MASGQGPGPPRQECGKPALP.....APWGRWDGSSPSPGRHQPAL 88

Scoring table: PAM 150 Gap 11

Searched: 62627 seqs, 5720858 residues

Post-processing: Minimum Match 0% Listing first 45 summaries

Database:

a-issued 1:back1 2:51 3:52 4:53 5:54 6:55 7:56 8:57 9:PCT90 10:PCT91 11:PCT92 12:PCT93 13:PCT94 14:PCT95 15:PCT96

Statistics: Mean 25.938; Variance 105.134; scale 0.247

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| 11111111111111111111111111111111111111 | Result |
|--|----------------|
| 213 777777777777777777777777777777777777 | Score |
| 11111111111111111111111111111111111111 | Query Match |
| 211 429 1852 1863 1863 1863 1863 1863 1863 1863 1863 | Length |
| 7 12 12 14 14 14 14 14 14 13 | - B |
| US-08-321- US-07-964- PCT-US93-0 US-08-425- PCT-US95-1 US-08-487- US-08-487- US-08-487- PCT-US95-1 US-08-480- US-08-480- US-08-480- US-08-480- US-08-480- US-08-480- US-08-480- US-08-18-18- US-08-18-18-18-18-18-18-18-18-18-18-18-18-18 | ID |
| Sequence 16, Applicatio Sequence 2, Applicatio Sequence 2, Applicatio Sequence 24, Applicatio Sequence 2, Applicatio Sequence 16, Applicatio Sequence 175, Applicatio Sequence 6, Applicatio Sequence 6, Applicatio Sequence 8, Applicatio Sequence 8, Applicatio Sequence 8, Applicatio Sequence 8, Applicatio Sequence 9, Applicatio Sequence 2, Applicatio | Description |
| 8.46e-12 1.33e+01 1.33e+01 2.73e+01 2.73e+01 2.73e+01 2.73e+01 2.73e+01 2.73e+01 2.73e+01 3.73e+01 3.26e+01 3.26e+01 3.26e+01 3.89e+01 3.89e+01 3.89e+01 3.89e+01 3.89e+01 3.89e+01 3.89e+01 3.89e+01 3.89e+01 | Pred. No. |

| 4 4 5 | 4 4 4 3 | 42 | 41 | 40 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 | 23 |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------------------------|-------------|-------------|-------------|-------------|-------------|
| 69 | 5 O | 70 | 70 | 70 | 70 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 72 | 72 | 72 | 72 | 72 |
| 10.7 | 10.7 | 10.9 | 10.9 | 10.9 | 10.9 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.2 | 11.2 | 11.2 | • | 11.2 |
| 2396 | 1911 | | | | 423 | 1187 | 1187 | | 1184 | 1184 | 729 | 605 | 597 | 453 | | | | | | w | |
| 7 | ر د | 7 | 7 | 12 | œ | œ | œ | 14 | æ | 7 | ω | 7 | 7 | ب | 14 | 14 | œ | œ | 14 | σ | 14 |
| US-08-157- | US-08-348- | US-08-056- | US-08-252- | PCT-US93-1 | US-08-464- | US-08-357- | US-08-097- | PCT-US95-1 | US-08-446- | US-08-446- | US-07-640- | US-08-462- | US-08-462- | 5206152-7 | PCT-US95-1 | PCT-US95-1 | US-08-494- | US-08-490- | PCT-US95-0 | US-08-250- | PCT-US95-1 |
| Sequence 2, | Sequence 5, | | Sequence 4, | Sequence 2, | Sequence 25 | Sequence 8, | Sequence 13 | Sequence 8, | Sequence 20 | Sequence 20 | Sequence 3, | Sequence 3, | Sequence 1, | Patent No. | | Sequence 170 | Sequence 2, | Sequence 17 | Sequence 17 | Sequence 17 | Sequence 7, |
| Applicatio | Applicatio | , Applicati | Applicatio | Applicatio | , Applicati | Applicatio | • | Applicatio | , Applicati | • | Applicatio | Applicatio | Applicatio | 5206152. | • | Applicat | Applicatio | , Applicati | , Applicati | , Applicati | Applicatio |
| 6.59e+01 | 6.59e+01 | 5.53e+01 | 5.53e+01 | 5.53e+01 | 5.53e+01 | 4.64e+01 | 4.64e+01 | 4.64e+01 | 4.64e+01 | ٠ | 3.89e+01 | 3.89e+01 | 3.89e+01 | 3.89e+01 |

| 88888888888888888888888888 | XFXEXSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS | RESULT ID U XX AC x |
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                                                                                    SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 2, Application US/07964589.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01-JAN-1900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-07-964-589-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE
                    159 ROWPOCATD-PASWAR-DGSGSRAG 181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 2, Application US/07964589 Patent No. 5387676
 58 QRWSPCPSNLAAPWGRWDGSSPSPG
                                                   Local Similarity 36.0%;
                                                                                                                                                TELEFAX: 415-543-4219
INFORMATION FOR SEQ ID NO: 2:
                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:

NAME: Lauder, Leona L
REGISTRATION NUMBER: 30,863
REFERENCE/DOCKET NUMBER: D-00
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415,777-9257
                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: Zavada, Jan
APPLICANT: Pastorekova, Silvia
APPLICANT: Pastorek, Jaromir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Match 33.1%;
Local Similarity 78.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear
MOLECULE TYPE: protein
UENCE 429 AA; 47631 MW; 926009 CN;
                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 429 amino acids
TYPE: AMINO ACID
                                                                                                                                                                                                                                                                 COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy of
COMPUTER: IBM PC comp
                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Pastorek, Jaromir TITLE OF INVENTION: MN Gene and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: peptide
JENCE 211 AA; 23410 MW; 235207 CN;
                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 211 at TYPE: amino at STRANDEDNESS: TOPOLOGY: lin
                                                                                                                                                                                                                                   FILING DATE: 19
CLASSIFICATION:
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STREET: Steuart Street
STREET: Plaza
                                                                                                                                                                                                                                                                                                                                                    CITY: San Francisco
STATE: CA
                                                                                                                                                                                                                                           APPLICATION NUMBER: US
FILING DATE: 19921021
                                                                                                                                                                                                                                                                                                                                ZIP: 94105
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Street Tower,
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                                          12;
                                                   Score 78; DB 4; I
Pred. No. 1.33e+01;
  82
                                                                                                                                                                                        D-0021
                                          Mismatches
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                                                              Length 429;
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Best Local Similarity 36.0%;
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                                                                                   US-08-425-061-24
                                                                                                                                                                                                                                                              REFERENCE/DOCKET NUMBER: D-00
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-777-9257
TELEPAX: 415-543-4219
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 2, Application PC/TUS9302024.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-JAN-1900
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                    Sequence 24, Application US/08425061.
                                          01-JAN-1900
                                                               XXXXXX
                                                                                                                                      159 RQWPQCATD-PASWAR-DGSGSRAG 181 ::|: |::: :|:|:| | ||::: :|
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 Sequence 24,
                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: CS PV-709
ETILING DATE: 10-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/964
FILING DATE: 21-OCT-1992
ATTORNEY/AGENT INFORMATION:
NAME: Lauder, Leona L
REGISTRATION NUMBER: 30,863
RESETENCE (COURT NUMBER: 30,863
                                                                                                                           58 QRWSPCPSNLAAPWGRWDGSSPSPG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: Patentin Rel
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: CIBA Corning Diagnostics Corp.
APPLICANT: Institute of Virology
TITLE OF INVENTION: MN Gene and Protein
                                                                                                                                                                                                                       MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                 TYPE: AMI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STATE: C
                                                                                                                                                                                                                                           LENGTH: 429 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION
                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE: Leona L. Lauder
STREET: Steuart Street Tower,
                                                                                                                                                                                                             ULE TYPE: protein 429 AA; 47631 MW; 926009 CN;
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Application US/08425061
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                                                                                                                                                                   Score 78; DB 12;
Pred. No. 1.33e+01;
12; Mismatches 2
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                                                                                                                           82
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Best Local Similarity 32.8%;
Matches 22; Conservative
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                                                                                                                                                                                                                                                                                                        SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                           REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: A-59
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 494-8700
TELEPAX: (415) 494-8771
TELEX: 910 277299
INFORMATION FOR SEQ ID NO: 24:
                                                                     Sequence 2, Application PC/TUS9510220.
                                                                                           01-JAN-1900
                                                                                                                                   PCT-US95-10220-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Patent No.
GENERAL IN
                                                 Sequence 2, Application PC/TUS9510220
                                                                                                                                                                             65 SNLAAPW 71
                                         GENERAL
                                                                                                                                                                                                                     9
                                                                                                                                                                                                                                                                                                               TYPE: amino acid
STRANDEDNESS: sing
TOPOLOGY: linear
MOLECULE TYPE: prote
          APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: OSMAN, Richard A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: PatentIn Rel CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: LEE, Ming
TITLE OF INVENTION: GENETIC MARKERS FOR BREAST AND OVARIAN
TITLE OF INVENTION: CANCER
NUMBER OF SEQUENCES: 24
  APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP:
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                                                                                                                                                                                                                                                                                                                                                         LENGTH:
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                                        INFORMATION:
                                                                                                                                                                                                                                                                                                      LE TYPE: protein
1852 AA; 206370 MW; 17856000 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        94111-4187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     San Francisco
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              E: FLEHR, HOHBACH, TEST, ALBRITION & HERBERT 4 Embarcadero Center, Suite 3400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ROWELL, Sara
                                                                                                                                                                                                                                                                                                                                                        1852 amino acids
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        Skolnick, Mark H. Goldgar, David E. Miki, Yoshio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OSTERMEYER, Beth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FRIEDMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SZABO,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KING, Mary-Claire
                                                                                                                                                                                                                                                                                                                                    single
                                                                                                                                   STANDARD;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Release #1.0, Version #1.30
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                                                                                                                                                                                                                                                            Score 74; DB 7; I
Pred. No. 2.73e+01;
10; Mismatches 28
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                                                                                                                                   PRT;
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RESULT 6
ID PCT-US95-10202-2
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Best Local S
Matches 2
                                                                                                        1445 PEQSTSEKAVLTSQKSSEYPISQNPEGLSADKFEVSADSSTS-KNKEP-GVERSSPSKCP 1502
                                                                 1503 S-LDDRW 1508
                                                                                                                                                                             SEQUENCE
                                           65 SNLAAPW 71
                                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US
FILING DATE: 07-UU-12
PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Tavtigian
APPLICANT: Wiseman,
APPLICANT: Futreal,
TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: 24
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4810
TELEPHAX: 202-962-8300
                                                                                                                                                                                     MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
APPLICATION NUMBER: U
FILING DATE: 29-NOV-1
PRIOR APPLICATION DATA:
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: Venable,
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ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES:
                                                                                                                                                                                                           TYPE: amino acids
                                                                                    PPRQECGKPALPSA-SEE-QVAQDMEGFSAATFFTTISRNRRLKGRPPLPTQRWSP--CP 64
                                                                                                                                                                                                                                                                                                 NAME: Ihnen, Jeffrey L. REGISTRATION NUMBER: 28,957
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US 01 FILING DATE: 24-MAR-1995
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                                                                                                                               Similarity 32.8%; 22; Conservative
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1863 AA; 207719 MW; 18114269 CN;
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Shattuck-Eidens, Don
Shattuck-Eidens, Don
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Futreal, P. Andrew
AVENTION: Method for Diagnosing a
Note: Method for Diagnosing a
Note: Method for Diagnosing a
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STANDARD;
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                                                                                                                               Score 74; DB 14; LA
Pred. No. 2.73e+01;
10; Mismatches 28;
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PPRQECGKPALPSA-SEE-QVAQDMEGFSAATFTTISRNRRLKGRPPLPTQRWSP--CP

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Best Local S
Matches 2
1445 PEQSTSEKAVLTSQKSSEYPISQNPEGLSADKFEVSADSSTS-KNKEP-GVERSSPSKCP 1502
                                                                                    SEQUENCE
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                                     Local Similarity hes 22; Conser
                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 08/409,305
ETILING DATE: 24-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION WIMBER: US 08/348,824
FILING DATE: 29-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION UNMBER: US 08-308,104
FILING DATE: 16-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION DATA:
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                                                                                                                                                       INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US FILING DATE: 07-JUN-1995 PRIOR APPLICATION DATA:
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MEDIUM TYPE: Floppy
COMPUTER: IBM PC com
                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 1863 amino acids
                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US 0 FILING DATE: 02-SEP-1994 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                               MOLECULE TYPE:
                                                                                                                                                                            TELECOMMUNICATION INFORMATION: 202-962-4810
                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
NAME: INDEN, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24/
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE:
CLASSIFICATION:
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                 APPLICATION NUMBER: US 08/289,221 FILING DATE: 12-AUG-1994
                                                                                                       TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER:
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1863 AA; 207719 MW; 18114269 CN;
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llarity 32.8%;
Conservative
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Durocher, Francine
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in the 17q-Linked Breast and Ovarian Cancer
Susceptibility Gene
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                                  Score 74; DB 14; Lep
Pred. No. 2.73e+01;
10; Mismatches 28;
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                  TELEFAX: 202-962-8300 INFORMATION FOR SEQ ID NO:
                                                                     APPLICATION NUMBER: US 08/300
FILING DATE: 02-5EP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/289
FILING DATE: 12-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Thnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
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APPLICANT:
APPLICANT:
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APPLICANT:
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MEDIUM TYPE: Floppy
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APPLICANT: Shattuck-Eidens, Donna M.
APPLICANT: Tavtiglan, Sean V.
APPLICANT: Wiseman, Roger W.
APPLICANT: Futreal, P. Andrew
TITLE OF INVENTION: 17g-Linked Breast and Ovarian Cancer
TITLE OF INVENTION: Susceptibility Gene
                                        TELEPHONE: 202-962-4810
                                                                                                                                                             APPLICATION NUMBER: US 0 FILING DATE: 16-SEP-1994 PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                         APPLICATION NUMBER: FILING DATE: CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0
                                                                                                                                                                                                                                                                                                                                                                                                          CITY: Washington
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                                                               REFERENCE/DOCKET NUMBER:
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          CHARACTERISTICS
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                                                                                                                             COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: US/08/598,591
FILING DATE: herewith
CLASSITETION NUMBER: US/08/598,591
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                                            TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1863 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
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APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                     CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Swecker, Robert S.
REGISTRATION NUMBER: 19,8
                                                                               REFERENCE/DOCKET NUMBER: 02
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
                                                                                                                                                                                                                                          Lent No. 5654155
NUMBER OF SEQUENCES: 7.
CORRESPONDENCE ADDRESS:
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              MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                     TITLE OF INVENTION: A Consensus
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                            TYPE: amino acid
STRANDEDNESS: not relev
TOPOLOGY: not relevant
                                                                                                                                                                                                 COUNTRY: U
ZIP: 22314
                                                                                                                                                                                                                       CITY: Alexandria
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        ORGANISM:
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        Homo sapiens
                       protein
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Pred. No. 2.73e+01
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Query Match
Best Local Similarity
22; Conserv
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CHROMOSOME/SEGMENT: 17
MAP POSITION: 17921
SEQUENCE 1863 AA; 207661 MW; 18087089 CN;
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APPLICATION NUMBER: US 08/308,104
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION US 08/300,266
FILLING DATE: US 08/300,266
FILLING DATE: US 08/289,221
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/289,221
FILLING DATE: 12-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REGISTRATION NUMBER: 28,957
                                                                                                                                                                                                                  FILING DATE:

CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION UNUMBER: US 08/409,305
FILING DATE: 24-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/348,824
FILING DATE: 29-NOV-1994
PRIOR APPLICATION DATA:
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APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
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CORRESPONDENCE ADDRESS:
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TITLE OF INVENTION: 17q-Linked Breast and Ovarian Cancer
TITLE OF INVENTION: Susceptibility Gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDIUM TYPE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: Venable, Baetjer, Howard & Civiletti, STREET: 1201 New York Avenue, N.W., Suite 1000
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REFERENCE/DOCKET NUMBER:

24884-109347

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                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 2, Application GENERAL INFORMATION
       CLASSIFICATION:
PRIOR APPLICATION NUMBER: US
APPLICATION NUMBER: US
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/409,305
FILING DATE: 24-MAR-1995
PRIOR APPLICATION NUMBER: US 08/348,824
APPLICATION NUMBER: US 08/348,824
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APPLICANT:
APPLICANT:
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                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 1863 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
JENCE 1863 AA; 207719 MW; 18114269 CN;
                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: Venable, Baetjer, Howard & Civiletti,
STREET: 1201 New York Avenue, N.W., Suite 1000
                                                                                                                                                                                                                                                                                                   APPLICANT: Wiseman, Roger W.
APPLICANT: Futreal, P. Andrew
TITLE OF INVENTION: 17q-Linked Breast and Ovarian Cancer
TITLE OF INVENTION: Susceptibility Gene
                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
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                                                                                                                 APPLICATION NUMBER: PCT/US95/10203 FILING DATE:
                                                                                                                                                                                                            ZIP: 20005
                                                                                                                                                                                                                                            CITY: Washington
                                                                                                                                                                                                                      COUNTRY:
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llarity 32.8%;
Conservative
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Shattuck-Eidens, Dx
Tavtigian, Sean V.
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  29-NOV-1994
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Pred. No. 2.73e+01
10; Mismatches 2
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Best Local
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MOLECULE TYPE: prot
SEQUENCE 1863 AA; 2077
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REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 2488
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4810
TELEPAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 2:
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08,
FILING DATE: 12-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9 PPROECGRPALPSA-SEE-QVAQDMEGFSAATFFTTISRNRRLKGRPPLPTQRWSP--CP
                                                                                                                                                           APPLICANT
ZIP: 20005
COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
LENGTH: 1863 amino acids
TYPE: amino acid
                                                                                                                NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
                                                                                                                                     APPLICANT: Wiseman, Roger W.
APPLICANT: Futreal, P. Andrew
TITLE OF INVENTION: 179 Linkee
TITLE OF INVENTION: Susceptib
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PRIOR APPLICATION DATA:
APPLICATION NUMBER:
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                                                                           STREET: 1201 New CITY: Washington
                                                         COUNTRY:
                                                                      STATE:
                                                                                                      ADDRESSEE:
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Similarity 32.8%;
22; Conservative
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1863 AA; 207719 MW; 18114269 CN;
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Shattuck-Eidens, Donna
Tavtigian, Sean V.
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                                                                                         Venable, Baetjer, Howard & Civiletti, LLP
001 New York Avenue, N.W., Suite 1000
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                                                                                                                           17q-Linked Breast and Ovarian Cancer
Susceptibility Gene
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Pred. No. 2.73e+01;
10; Mismatches 28;
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                                                                                                                                                                                                                                                       Patent No. 5622829
GENERAL INFORMATION:
APPLICANT: KING, N
APPLICANT: FRIEDM
                                                                                                                                                                                                                                                                                                                               Sequence 16, Application US/08425061 Patent No. 5622829
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nes 22; Conser
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LENGTH: 1863 amino acids
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REGISTA 18 28,957
REFERENCE/DOCKET NUMBER: 24
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US 08/289,221
FILING DATE: 12-AUG-1994
ATTORNEY/AGENT INFORMATION:
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                                           NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                         APPLICANT: LEE, Ming
TITLE OF INVENTION: GENETIC MARKERS FOR BREAST
TITLE OF INVENTION: CANCER
                                                                                                                                                                                                           APPLICANT:
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APPLICATION NUMBER:
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  STREET:
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                        ADDRESSEE:
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1863 AA; 207719 MW; 18114269 CN;
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LYNCH, Eric
SZABO, Csilla
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FRIEDMAN, Lori
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FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT Embarcadero Center, Suite 3400
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Pred. No. 2.73e+01
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Best Local Similarity
Matches 22; Conser
LENGTH: 53
SEQUENCE 58 AA;
                                                                                                                                                            STIMULATING FACTOR RECEPTORS
NUMBER OF SEQUENCES: 6
CURRENT APPLICATION DATA:
                                                                                                                                                                                             BENSON, CURTIS M.
TITLE OF INVENTION: DNA SEQUENCES ENCODING GRANULOCYTE-COLONY
                                                                                                                                                                                                                                                                                                                                                                                                1503 S-LDDRW 1508
                                                                                                                                                                                                                                                                                                                                                                                                                                          1445 PEQSTSEKAVLTSQKSSEYPISQNPEGLSADKFEVSADSSTS-KNKEP-GVERSSPSKCP 1502
                      SEQ ID NO:4:
                                                                                                                                                                                                                                                       Patent No. 5422248.
                                                                                                                                                                                                                                                                               01-JAN-1900
                                                                                                                                                                                                                                                                                                      XXXXXX
                                                                                                                                                                                                                                                                                                                           5422248-4
                                                                                                                                                                                                                                 Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                         65 SNLAAPW 71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 494-8770
TELEPAX: (415) 494-8771
TELEX: 910 277299
INFORMATION FOR SEQ ID NO: 16:
                                                                                                                                                                                                                                                                                                                                                                                                                     9 PPRQECGKPALPSA-SEE-QVAQDMEGFSAATFFTTISRNRRLKGRPPLPTQRWSP--CP 64
                                                                                                                         APPLICATION NUMBER: US/
FILING DATE: 15-JAN-1993
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: linear MOLECULE TYPE: protein JENCE 1863 AA; 207673 MW; 18114452 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 1863 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
NAME: OSMAN, RICHARD
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: A-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
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MEDIUM TYPE: Floppy disk
                                                      APPLICATION NUMBER: 587,329
FILING DATE: 24-SEP-1990
APPLICATION NUMBER: 522,952
FILING DATE: 03-APR-1990
APPLICATION NUMBER: 416,306
FILING DATE: 03-OCT-1989
                                                                                                                                                                                                                    APPLICANT: SMITH, CRAIG A.; LARSEN, ALF D.; SIMS, JOHN E.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC OPERATING SYSTEM:
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TYPE: amino acid
STRANDEDNESS: sin
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CLASSIFICATION: 435
                                FILING DATE:
                                             APPLICATION NUMBER:
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llarity 32.8%;
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SYSTEM: PC-DOS/MS-DOS
 6175 MW; 22864 CN;
                                  26-SEP-1989
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                                             412,816
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Pred. No. 2.73e+01
10; Mismatches 28
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  Query Match 11.4%;
Best Local Similarity 27.3%;
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                                                 SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 175, Application PC/TUS9510398
GENERAL INFORMATION:
APPLICANT: BURKH, J., MILLER, R.H. AL
APPLICANT: PURCELL, R.H.
                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/086,428
FILING DATE: 29 JUNE 1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/290/665
FILING DATE: 15 AUGUST 1994
ATTORNEY/AGENT INFORMATION:
NAME: RICHARD W. BORK
REGISTRATION NUMBER: 36,459
REFERENCE/DOCKET NUMBER: 2026-41
TELECOMMUNICATION INFORMATION:
                                                                                                                         TELEFAX: (212) 751-6849
TELEX: 421792
INFORMATION FOR SEQ ID NO: 175:
SEQUENCE CHARACTERISTICS:
LENGTH: 191 amino acids
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TITLE OF INVENTION: A
TITLE OF INVENTION: A
TITLE OF INVENTION: A
TITLE OF INVENTION: S
NUMBER OF SEQUENCES:
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                                                                                 ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOCTWARE: WORDERRECT 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 KGRPPLPTQRWSPCPSNLAAPWGRW 74
                                                                       ORGANISM:
                                                                                           STRANDEDNESS:
TOPOLOGY: unl
                                                                                                                                                                        TELEFAX:
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STREET: 3'
                                                INDIVIDUAL ISOLATE:
CE 191 AA; 20708
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Similarity 36.0%;
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AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HEPATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
263
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Score 73; DB 14; Length 191;
Pred. No. 3.26e+01;
11; Mismatches 11; Indels
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Pred. No.
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Best Local S
Matches 1
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FILING DATE: 02-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: OSMAIN, RICHARD A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: A-59
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 494-8770
TELEPHONE: (415) 494-8771
TELEFAX: 210 277299
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-818-823-6
                                                                                               SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               XXXXXX
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                        213 SPLPSPRASPRPWTPEDPWSLY-GPSPG-GR 241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 6, Application US/08818823 Patent No. 5708158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Patent No.
LENGTH: 90.
LENGTH: 90.
TYPE: amino acia
TYPE: amino acia
TOPOLOGY: linear
MOLECULE TYPE: protein
MOLECULE TYPE: protein
11.4%; 5
                                                 Local Similarity
nes 14; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION: APPLICANT: HOEY,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  43 ISRNRRLKGRP-PLPTQRWSPCPSNLAAPWGRW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         65 IPKARRPEGRAWAQPGHPWPLYANE-GLGWAGW 96
                                                                                                                                                                                                                                                                                             FILING DATE: 14-MAR-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                            SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTIÓN: NUCLEAR FACTORS AND BINDING NUMBER OF SEQUENCES: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET: 4 Embarcades
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US/08/818,823
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE:
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                                                11.4%;
larity 45.2%;
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                        California
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                                                                                                                                                                                                                                                                                                                                                                                                                              USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Timothy
                                                                                                                                                                                                                                                                                   08/396,479
                                                Score 73; DB 8;
Pred. No. 3.26e+01
5; Mismatches 1
                                                                                               4420897
                                                                                                                                                                                                                           A-59450-1/RAO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRT;
                                                                                              CN;
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                                                                      Length 902;
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Search completed: Wed May Job time: 10 secs.

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Release 3.0.5AA John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1997 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd

Run on: MPsrch_pp protein - protein database search, using Smith-Waterman algorithm

Tabular output not generated. Wed May 6 09:43:42 1998; MasPar time 3.57 Seconds 336.920 Million cell updates/sec

Title:

Description: Perfect Score: >US-08-320-157-22 (1-210) from US08320157.pep 1554 1 MASGQGPGPPRQECGEPALP.....LVVLGVVLLGQFVVRRFFKS 210

Scoring table: PAM 150 Gap 11

Searched: 62627 seqs, 5720858 residues

Post-processing: Minimum Match 0% Listing first 45 summaries

Database:

a-issued 11:backl 2:51 3:52 4:53 5:54 6:55 7:56 8:57 9:PCT90 10:PCT91 11:PCT92 12:PCT93 13:PCT94 14:PCT95 15:PCT96

Statistics: Mean 30.519; Variance 143.876; scale 0.212

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| 114 117 117 117 117 117 117 117 117 117 | Result |
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| 1541 453 3478 3478 2500 250 250 250 250 245 245 245 243 243 | Score |
| 5.6.6.6.8.1.1.1.1.3.3.5.5.6.7.3.3.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2 | % Query Match |
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| 113 113 114 114 114 114 114 114 114 114 | DB. |
| US-08-321- US-08-321- US-08-321- US-08-321- US-08-321- US-08-08-321- PCT-US96-0 US-08-607- PCT-US94-0 US-08-607- US-08-607- US-08-607- US-08-607- US-08-607- US-08-607- US-08-607- US-08-607- US-08-607- US-08-607- US-08-607- US-08-607- US-08-607- US-08-607- US-08-607- US-08-607- US-08-607- US-08-081- US-08-081- US-08-081- US-08-081- | Ħ |
| Sequence 15, Applicati Sequence 21, Applicati Sequence 25, Applicati Sequence 27, Applicati Sequence 14, Applicati Sequence 27, Applicatio Sequence 29, Applicatio Sequence 29, Applicatio Sequence 29, Applicatio Sequence 29, Applicatio Sequence 24, Applicatio Sequence 27, Applicatio Sequence 28, Applicatio Sequence 29, Applicatio Sequence 21, Applicatio Sequence 23, Application Sequence 24, Application Sequence 27, Application Sequence 28, Application Sequence 30, Application Sequence 4, Application | Description |
| 1 1.46e-126 1 3.18e-226 1 4.38e-23 1 9.58e-13 1 9.58e-13 1 1.40e-12 2 1.40e-12 3 0.2e-12 3 0.2e-12 1 6.47e-12 1 6.47e-12 1 1.68e-11 1 1.68e-11 1 1.68e-11 1 1.68e-11 1 2.45e-11 1 2.45e-11 1 2.45e-11 1 2.45e-11 | Pred. No. |

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|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------------|------------|------------------------|------------|------------|------------|------------|------------------------|-----------|------------|------------------------|-----------|------------------------|
| 206 | 226 | 226 | 226 | 226 | 232 | 232 | 234 | 234 | 234 | 234 | 236 | 239 | 239 | 242 | 242 | 243 | 243 | 243 | 243 | 243 | 243 |
| 13.3 | • | 14.5 | | | | | | 15.1 | | ٠ | 15.2 | • | • | | | • | • | ٠ | 15.6 | • | • |
| 201 | 31 1 | 1 | 31 | | | | | | | | | | | | | | | | 239 | | 205 |
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| US-08-112- | PCT-US96-0 | US-08-440- | US-08-440- | PCT-US96-0 | PCT-US95-0 | US-08-607- | US-08-607- | US-08-112- | PCT-US95-0 | US-08-248- | US-08-077- | US-08-112- | US-08-248- | US-08-607- | PCT-US95-0 | PCT-US93-0 | 5459251-2 | US-08-248- | US-08-333- | 5506344-2 | US-08-333- |
| Sequence 8, Application | 3, Appl | e 16, | e 3, 7 | e 16, | 21, | 21, | • | 11, | Sequence 22, Applicati | e 11 | Sequence 3, Applicatio | | | | 20, | Sequence 5, Applicatio | сл | • | Sequence 51, Applicati | 0. 55 | Sequence 52, Applicati |
| 2.60e-08 | | .13 | .13e- | .13e- | ٠, | .97e- | 5e- | 5e- | .35e- | .35e- | 9.26e-11 | 5.24e-11 | .24e- | .97e- | .97e- | .45e- | ٠. | . 4 : | 2.45e-11 | 2.45e-11 | 2.45e-11 |

| 888 | 38 | 8 | ဌ | င္ပ | 2 2 | 3 6 | 3 6 | 3 8 | 6 | 8 | ဂ္ဂ | င္ပ | င္ပ | ဌ | ၉၉ | 3 8 | 3 6 | 3 6 | 3 6 | 2 6 | 3 8 | 3 (| 38 | 3 6 | 3 6 | 3 6 | 3 6 | 6 | 8 | ဌ | င္ပ | ရှ | X | XX | Di X | AC | RESULT ID U | |
|---|-------------------------|------------------|--|--------|-----|-----|--------------------------|-----|--------------------------|---|-----|---------------------|-----|------------------------------------|----------------|------------------|----------|-----------------------------|-------------------------|-----|------------|-----|------------------|-------------------------|------------|-------------------------|-----|---------|-----------------------------|----------------------|--------------------|---------------------------------------|--|----------------|-------------|--------|--|--|
| INFORMATION FOR SEQ ID NO: 16: SEQUENCE CHARACTERISTICS: | TELEPHONE: 202-942-8400 | ATION INFORMATIO | REFERENCE/DOCKET NUMBER: 104322.121CIP | RATION | • | - | FILING DATE: 09-AUG-1994 | 2 | FILING DATE: 09-AUG-1995 | 3 | | CLASSIFICATION: 514 | н3 | APPLICATION NUMBER: US/08/321,071A | LICATION DATA: | PatentIn Release | · MEEVAV | COMDITIES TEM DO COMDISTINO | WEDTIN APPER Floor disk | ਲੰ | 7TP: 2000A | | CITY: Washington | 1/ss Donney Wanta Among | Seasour an | NOMBER OF SECUENCES: SI | 0 | APOPTOS | CANT: CHITTENDEN, Thomas D. | GENERAL INFORMATION: | Patent No. 5672686 | Sequence 16, Application US/08321071A | sequence to, Apprication 05/083210/1A. | 16 Application | 01-JAN-1900 | XXXXXX | LT 1 US-08-321-071A-16 STANDARD; PRT; 211 AA. | |

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE
                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/321,071A
FILING DATE: 11-OCT-1994
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                     Sequence 15, Application US/08321071A Patent No. 5672686
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      PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/10103
FILING DATE: 09-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/287,427
FILING DATE: 09-AUG-1994
ATTORNET/AGENT INFORMATION:
NAME: WIXON, HENRY N
REGISTRATION NUMBER: 32,073
REFERENCE/DOCKET NUMBER: 104322.121C:
TELEPHONE: 202-942-8484
TELEPHONE: 202-942-8484
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                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES: 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: peptide
JENCE 211 AA; 23410 MW; 235207 CN;
                                                                                                                                                                                                                                                                                                                         APPLICANT: CHITTENDEN, Thomas D.
TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-Y, AND METHODS
TITLE OF INVENTION: OF USE THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LNLGNGPILNVLVVLGVVLLGQFVVRRFFKS 211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      VTLPLOPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIATSLFE 120
                                                                                                                                                                                                                                          STATE: D.C. 20004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SGIDWGRVVALLGFGYRLALHVYQHGLTGFLGQVTRFVVDFMLHHCIARWIAQRGGWVAA 180
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Similarity 99.1%;
                                                                                                                                                                                                                                                                     Washington
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1455 Pennsylvania Avenue, N.W
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STANDARD;
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                                        104322.121CIP
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Best Local :
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                                                                                                                  FILING DATE: 09-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,073
REFERENCE/DOCKET NUMBER: 1043
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-942-8400
INFORMATION FOR SEQ ID NO: 21:
                                           SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-321-071A-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 21, Application US/08321071A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 21, Application US/08321071A Patent No. 5672686
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             / Match 29.2%;
Local Similarity 100.0%;
hes 54; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
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                                        STRANDEDNESS:
TOPOLOGY: 11n/
MOLECULE TYPE:
DUENCE 54 AA; 61
                                                                                                                                                                                                                             APPLICATION NUMBER: PCT/
FILING DATE: 09-AUG-1995
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                      SOFTWARE: Patentin Release #1.0, Version #1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
LENGTH: 57 amino acids
                                                                                                          SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                            CLASSIFICATION: 514
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE:
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STRANDEDNESS: sir
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC
OPERATING SYSTEM:
SOFTWARE: Patenti
                                                                                    TYPE: amino acid
                                                                                               LENGTH:
                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US/08/321,071A
FILING DATE: 11-OCT-1994
                                                                                                                                                                                                                                                                                                                                                                                  STATE:
                                                                                                                                                                                                                   APPLICATION NUMBER:
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  Similarity
53; Conser
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57 AA; 6559 MW; 15838
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 24.3%;
llarity 98.1%;
Conservative
                                                                                               54 amino acids
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VENTION: APOPTOSIS RELATED PROTEIN Bcl-Y, AND METHODS
VENTION: OF USE THEREOF
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SYSTEM: PC-DOS/MS-DOS
                                                                 linear
                                          : peptide
6172 MW; ]
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                                            15712 CN
Score 378; DB 7; L. Pred. No. 9.68e-23; 0; Mismatches 0;
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Pred. No. 3.18e-29;
0; Mismatches 0
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                      Length 54;
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                             PCT-US96-06122-14
                                                                                                                                                       SEQUENCE
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                                                                      74
                                                                                                                                                                                                                               TELEFAX: 202-942-8484 INFORMATION FOR SEQ ID NO:
                                                                                                                      Match 22.3%;
Local Similarity 100.0%;
                                                                                1 VGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIATSLFESG 49
                                                                                                                                                    TOPOLOGY: linear
MOLECULE TYPE: peptide
JENCE 49 AA; 5639 MW;
                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
LENGTH: 49 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER: 10
TELECOMMUNICATION INFORMATION: 202-942-8400
                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/287,427
FILING DATE: 09-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: PatentIn Reli
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: APTITLE OF INVENTION: OF NUMBER OF SEQUENCES: 3
                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
                                                                     VGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIATSLFESG 122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STATE: U. 20004
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                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/08/321,071A FILING DATE: 11-OCT-1994
                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                            REGISTRATION NUMBER: 32,073
                                                                                                                                                                                                                                                                                                                                                FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION:
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                                                                                                               49;
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                                                                                                               Conservative
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TENTION: APOPTOSIS RELATED PROTEIN Bcl-Y, AND METHODS
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                                                                                                                                                                                                                                                                                                                                              09-AUG-1995
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                              STANDARD;
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                                                                                                                                                       12778 CN;
                                                                                                            Score 347; DB 7;
Pred. No. 4.38e-20;
0; Mismatches (
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                             36 AA
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Best Local Similarity 100.0%;
Matches 36; Conservative
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                                                                                                                                                                                             US-08-440-391-14
                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: peptide SEQUENCE 36 AA; 4120 MW; (
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                                                                                                                              Sequence 14, Application US/08440391.
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                                                                                    Patent No. 5656725
GENERAL INFORMATION:
                                                                                                Sequence 14, Application US/08440391 Patent No. 5656725
                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 36 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
NAME: WIXON HENRY N.
REGISTRATION NUMBER: 32,073
REFERENCE/DOCKET NUMBER: 1043
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-942-8400
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hale and Dorr
STREET: 1455 Pennsylvania Avenue, N.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STATE: D.C.
ZIP: 20004
COMPUTER READABLE FORM:
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                                           APPLICANT: CHITTENDEN, Thomas D.; and APPLICANT: LUTZ, Robert J.
TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS TITLE OF INVENTION: MODULATE APOPTOSIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STREET: 1400 ECTTY: Washington
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US 08/440,391 FILING DATE: 12-MAY-1995 CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE:
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1455 Pennsylvania Avenue, N.W.
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                                                                                                                                                                                             STANDARD;
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                                                                                                                                                                                                                                                                                           Score 260; DB 15; Pred. No. 9.58e-13;
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                                                                                                                                                                                                                                                                                         Patent No.
                                                                                                                                                                                                                                                                                                      Sequence 2,
                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                         65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Match 16.7%;
Local Similarity 100.0%;
les 36; Conservative
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TELEFAX: 202-942-8484
INFORMATION FOR SEQ ID NO:
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NAME: WIXON, HERRY N.
REGISTRATION NUMBER: 32,073
REFERENCE/DOCKET NUMBER: 1043
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-942-8400
                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 LQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHL 36
                                                                         MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                     COUNTRY: USA
ZIP: 60610
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                      NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White 6 Durkee
STREET: 321 No. 5646008th Clark Street, Suite 800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: peptide
JENCE 36 AA; 4120 MW; 6096 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
LENGTH: 36 base pairs
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
         ATTORNEY/AGENT INFORMATION:
NAME: No. 5646008thrup, Thomas E
REGISTRATION NUMBER: 33,268
                                                                                                                                                                                                                                 TITLE OF INVENTION: Vertebrate Apoptosis Gene:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 20004
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                          APPLICANT:
                                                                                                                                                                   STREET: 321 NO CITY: Chicago STATE: IL
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                                                     APPLICATION NUMBER: US
FILING DATE: 19930622
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FILING DATE: 12-MAY-1995
                                            CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear
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 REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                           , Application US/08081448 5646008
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D.C.
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                                                                                                                                                                                                                                                       Thompson, Craig B. Boise, Lawrence H.
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                                                                                                                                                                                                                                                                                                                                                                                             STANDARD;
                                                                 US/08/081,448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 260; DB 7;
Pred. No. 9.58e-13;
0; Mismatches 0
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Best Local Similarity 28.2%;
Matches 37; Conservative
                                                                   REGISTRATION NUMBER: 32,165
REFERENCE,DOCKET NUMBER: ACD
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512-320-7200
TELEPAX: 713-789-2679
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
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TELEPHONE: 312-744-0090
TELEPAX: 312-755-4489
TINFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
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CORRESPONDENCE ADDRESS:
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LENGTH: 150 ______
TYPE: amino acid
Type: amino acid
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190 AA; 21467 MW; 192890 CN;
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Pred. No. 1.40e-12;
32; Mismatches 59
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Local Similarity 28.3%;
hes 30; Conservative
 Score 254; DB 8; Length 236
Pred. No. 3.02e-12;
23; Mismatches 51; Indels
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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Reed, John C.
APPLICANT: Sato, Takaaki
TITLE OF INVENTION: Interaction of Proteins Involved
TITLE OF INVENTION: Cell Death Pathway
NUMBER OF SEQUENCES: 29
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                                                  SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    120 EQVVNELFHDGVNWGRIVAFFSFGGALCVESVDKEMRVLVGRIVSWMTTYLTDH-LDPWI 178
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Local Similarity 28.2%;
les 37; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: protein JENCE 190 AA; 21467 MW; 192890 CN;
                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 0:
FILING DATE: 13-APR-1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                            COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOCTWARE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                    NAME: Campbell, Cathryn A. REGISTRATION NUMBER: 31,815
REGISTRATION NUMBER: P-LJ
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                    SEQUENCE CHARACTERISTICS:
LENGTH: 236 amino acid
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                                           TOPOLOGY: linear
RCE 236 AA; 26679 MW; 437248 CN;
                                                                                                                                                                                                                                                                      APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                             CITY: San Diego
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                                                                                                                                                                                                                                                        CLASSIFICATION:
                                                                        amino acid
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4370 La Jolla Village Drive,
                                                                                       236 amino acids
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                                                                                                                           535-8949
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                                                                                    137 LALHVYQHGLTGFLGQVTRFVVDFMLHHCIARWIAQRGGWVAALNL 182
                                                                                                           154 MCVXSVXXEMXPLVXXIAXWMTXYLNRH-LXXWIQDNGGWDXFVEL 198
                                                                                                                                                                              16.3%;
Local Similarity 28.3%;
les 30; Conservation
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                             94 LRRAGDXFXRRYXRXFXXMXXQLHLTPXTAXXXFXXVVXELFRDGVNWGRIVAFFXFGGX 153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICAN:...APPLICAN:. Interaction: Interaction: Interaction: a Cell Death Pathway TITLE OF INVENTION: a Cell Death Pathway
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: FP TELECOMMUNICATION INFORMATION:
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                                                                                                                                    LAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIATSLFESG-NWGRVVALLGFGYR 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn Release #1.0,
                                                                                                                                                                                                                                                                 TYPE:
                                                                                                                                                                                                                                                                                                                                                                 NAME: Imbra, Richard J. REGISTRATION NUMBER: 37,643
                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: PCT/
FILING DATE: 12-APR-1995
                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION:
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Pred. No. 3.02e-12;
23; Mismatches 51
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                                 Sequence 59, Application US/08333565.
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                                                                                                          US-08-333-565-59
                                                                                                                                                                                                                                                                                                                                                       SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 24, Application US/08607269
Sequence 59, Application Patent No. 5622852
                                                                                                                                                                                179 EPWIQENGGWDTFVELYGNNA 199
                                                                                                                                                                                                                              120 YQSFEQVVNELFRDGVNWGRIVAFFSFGGALCVESVDKEMQVLVSRIAAWMATYLNDH-L 178
                                                                                                                                                       167 ARWIAQRGGWVAALNL-GNGP 186
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                                                                                                                                                                                                                                                        48
                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: (619) 535-89
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/226,
FILING DATE: 13-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
                                                                                                                                                                                                                                                                               61 DSPAVNGATAHS-SSLDAREVIPMAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTA 119
                                                                                                                                                                                                                                                                                                                  Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: P-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/607,269
                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
LENGTH: 233 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell and Flores
STREET: 4370 La Jolla Village Drive,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: Interaction TITLE OF INVENTION: Cell Death
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Reed, John C. APPLICANT: Sato, Takaaki
                                                                                                                                                                                                                                                       EAEGVAAPADPEMVTLPLQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENA 107
                                                                                                                                                                                                       YEYFTKIATSLFESG-NWGRVVALLGFGYRLALHVYQHGLTGFLGQVTRFVVDFMLHHCI 166
                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY:
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                                                                                                                                                                                                                                                                                                    16.1%;
Similarity 25.5%;
36; Conservation
                                                                                                                                                                                                                                                                                                                                                    OGY: linear
233 AA; 26063 MW; 275311 CN;
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                                                                                                          STANDARD;
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            US/08333565
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Pred. No. 6.47e-12;
41; Mismatches 60
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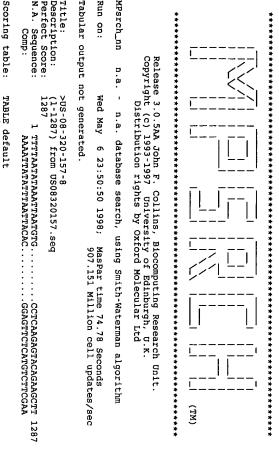
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Best Local S
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                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE
                                                                                             Sequence 24, Application PC/TUS9504600 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                IELEPHONE: (415) 326-2400
TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 59:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                   8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, V
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/333,565
FILING DATE: 31-CCT-1994
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: KORSME
                                  APPLICANT: LA JOLLA CANCER RESEARCH FOUNDATION
TITLE OF INVENTION: Interaction of Proteins Involved
TITLE OF INVENTION: a Cell Death Pathway
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 15
TELECOMMUNICATION INFORMATION:
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ADDRESSEE: Townsend and Townsend Khourie and Crew
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: Bc1-x/Bc1
TITLE OF INVENTION: REGULATOR
NUMBER OF SEQUENCES: 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
                                                                                                                                                                                                                                                                                                                                                  EAEGVAAPADPEMVTLPLQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENA 107
                                                                                                                                                                                                                                                                           EPWIQENGGWDTFVELYGNNA 199
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                                                                                                                                                                                                                                                                                                                            YQSFEQVVNELFRDGVNWGRIVAFFSFGGALCVESVDKEMQVLVSRIAAWMATYLNDH-L 178
  ADDRESSEE: Campbell and rives
STREET: 4370 La Jolla Village Drive, Suite 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 9430
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STATE: California
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ENTION: BC1-x/BC1-2 ASSOCIATED CELL DEATH
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Pred. No. 6.47e-12;
41; Mismatches 60
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 233 amino acids
         ZIP: 60610

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, W
STREET: 321 No. 5646
                                                                                                                                                   APPLICANT: Thompson, Craig B.
APPLICANT: Boise, Lawrence H.
TITLE OF INVENTION: Vertebrate Apoptosis Gene:
TITLE OF INVENTION: Compositions and Methods
                                                                                                                                                                                                                                                                                                                               14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Imbra, Richard J.
REGISTRATION NUMBER: 37,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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TELECOMMUNICATION INFORMATION:
  CURRENT APPLICATION DATA:
                                                                                                                                             NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                     EPWIQENGGWDTFVELYGNNA 199
                                                                                                                                                                                                                                                                                                                                                                                                           YEYFTKIATSLFESG-NWGRVVALLGFGYRLALHVYQHGLTGFLGQVTRFVVDFMLHHCI 166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STATE: C
                                                                                       STREET: 321 NO CITY: Chicago STATE: IL
                                                                            COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER:
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Similarity 25.5%;
36; Conservative
                                                                                                                                                                                                    INFORMATION:
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                                                                                                                                                                                                                                                                                                                   STANDARD;
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5646008th Clark Street,
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Pred. No. 6.47e-12;
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            Version #1.25
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                                                                                                             Suite
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity 25.5%; tes 36; Conservation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             61 DSPAVNGATAHS-SSLDAREVIPMAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTA 119
          CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION UMBER: 08/081.44
FILING DATE: 22 JUNE 1993
ATTORNEY/AGENT INFORMATION:
NAME: PARKER, David L.
REGISTRATION UMBER: 32,165
REFERENCE/DOCKET NUMBER: ARCD
                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO: 6: SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US/08
FILING DATE: 19930622
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
                                                                                                                     OPERATING SYSTEM: PC-D
CURRENT APPLICATION DATA:
                                                                                                                                                     COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                     TITLE OF INVENTION:
  TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE:
                                                                                                                                                                                                         STREET: P.O. L
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                                                                                               APPLICATION NUMBER: PCT/US94/070 FILING DATE: CONCURRENTLY FILED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY:
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P.O. Box 4433
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                                                                                                                                                                                       United States
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                                                                                                                              IBM PC compatible
SYSTEM: PC-DOS/MS-DOS, ASCII
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                                                                                                                                                                                                                                                                               Vertebrate Apoptosis Gene
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Pred. No. 6.47e-12;
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Scoring table: TABLE default Gap 6

Nmatch STD : Dbase 0; Query 0

Searched: 102136 seqs, 26354296 bases ×

Post-processing:

Database:

Minimum Match 0% Listing first, 45 summaries

n-issued 1:backl 2:51 3:52 4:53 5:54 6:55 7:56 8:57 9:PCT90 10:PCT91 11:PCT92 12:PCT93 13:PCT94 14:PCT95 15:PCT96

Statistics: Mean 8.915; Variance 4.867; scale 1.832

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 16 17 18 | 12 14 15 | 110087654321 | Result No. |
| 25 25 25 | 35 24 24 | 766 91 91 82 82 43 43 39 39 | Score |
| 1.99 | 2.7 2.4 1.9 | 59. 79. 79. 79. 79. 79. 79. 79. 79. 79. 7 | Query Match |
| 75 82 105 198 | 215 7218 81 74 | 1968 93 93 94 84 7218 45 45 39 215 | Length |
| 14 14 11 | 14 14 14 | 15 15 15 15 15 7 | DB |
| PCT-US95-1 PCT-US95-1 US-07-865- PCT-US92-1 | US-08-238- US-08-232- PCT-US95-1 PCT-US95-1 | US-08-440- PCT-US96-0 US-08-45-0 US-08-45-0 US-08-232- US-08-236-0 US-08-246-0 PCT-US96-0 US-08-236-0 US-08-238-0 US-08-238-0 | ID |
| Sequence Sequence Sequence Sequence | Sequence Sequence Sequence Sequence | Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence | Description |
| 99, 97, 13, | | 17, 15, 17, 17, 14, 19, 19, | on |
| Applicati Applicati Applicati Applicati | Applicatio Applicati Applicati Applicati Applicati | Applicati | |
| 3.48e-02 3.48e-02 1.19e-01 3.48e-02 | .46e-0 | 0.00e+00 3.25e-46 3.25e-46 9.61e-40 9.61e-40 9.69e-13 5.69e-13 5.69e-13 1.99e-10 1.99e-10 | Pred. No. |

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| 5223394-8 | -07-940- | 23394-5 | PCT-US92-0 | 5185441-40 | -08-357- | PCT-US95-1 | PCT-US95-1 | US-08-471- | US-08-471- | US-08-471- | US-07-783- | US-07-972- | US-07-783- | PCT-US95-1 | T-US95-1 | PCT-US95-1 | PCT-US95-1 | PCT-US95-1 | PCT-US95-1 | US-08-471- | -08-471- | PCT-US93-1 | ;-08-231- | -08-231- |
| Patent N | Sequence | Patent N | Sequence | Patent N | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence |
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| 394. | plicati | 394. | Applicati | 141. | licatio | olicati | 4, Applicati | plicat | plicat | plicat | Applicati | Applicatio | licatio | plicati | olicati | plicati | plicati | , Applicat | plicat | plicat | plicat | Lica | licatio | icatio |
| 1.27e+00 | | | 1.27e+00 | | | | | | | :. | | 3.94e-01 | | | | | | 3.94e-01 | | | | | | . 196 |

ALIGNMENTS

RESULT ID US US-08-321-071A-17 STANDARD; DNA; UNC; 1968 BP

Patent No. 5672686 GENERAL INFORMATION: APPLICANT: CHITTE Sequence 17, Application US/08321071A Sequence 17, Application US/08321071A. 01-JAN-1900 XXXXXX COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA: PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/287,427
FILING DATE: 09-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N. APPLICATION NUMBER: US/08/321,071A FILING DATE: 11-OCT-1994 CLASSIFICATION: 514 PRIOR APPLICATION DATA: APPLICANT: CHITTENDEN, Thomas D.
TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-Y, AND METHODS
TITLE OF INVENTION: OF USE THEREOF TELECOMMUNICATION INFORMATION: CORRESPONDENCE ADDRESS: NUMBER OF SEQUENCES: APPLICATION NUMBER: PCT/US95/10103 FILING DATE: 09-AUG-1995 REGISTRATION NUMBER: 32,073
REFERENCE/DOCKET NUMBER: 104322.121CIP STATE: ADDRESSEE: Hale and Dorr 1455 Pennsylvania Avenue, N.W. Washington OF USE THEREOF: 31 Version #1.25

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Best Local S
Matches 79
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SEQUENCE CHARACTERISTICS:
LENGTH: 1968 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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                                                      AGGGGTCCCCCCCCAAGAGTACAGAAGCTT
                                                                                                                                     GTTGGGCCAGTTTGTGGTACGAAGATTCTTGAAATCATGACTCCCAAGGGTGCCCTTTGG 720
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                                                                                                                        GTTGGGCCAGTTTGTGGTACGAAGATTCTTCAAATCATGACTCCCAAGGGTGCCTTTGGG
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                                                                          GTCCCAGTTCAGACCCCTGCCTGGACTTAAGCGAAGTCTTTGCCTTCTCTGCTCC-TTGC
                                                                                                                                                                                           AGCCCTGAACTTGGGCAATGGTCCCATCCTGAACGTGCTGGTGGTTCTGGGTGTTCT
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Similarity 97.9%;
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Pred. No. 0.00e+00;
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Best Local Similarity 98.9%;
Matches 92; Conservative
Sequence 15, Application GENERAL INFORMATION:
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                              Sequence 15, Application PC/TUS9606122
                                                       01-JAN-1900
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                                                                                                                                                                                                760 CAGGTGGGACGCCAGCTCGCCATCATTGGGGACGACATCAACCGACGCTATGACTCAGAG 819
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INFORMATION FOR SEQ ID NO:
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                                                                                                                                                     61 TICCAGACCATGTIGCAGCACCIGCAGCCCACG
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                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 93 base pairs
TYPE: nucleic acid
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MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: 10
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-942-8400
                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS WHICH TITLE OF INVENTION: MODULATE APOPTOSIS
NUMBER OF SEQUENCES: 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: CHITTENDEN, 7
APPLICANT: LUTZ, Robert
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STREET: 1455 Penns
CITY: Washington
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CILL D.C. STATE: D.C. 2004
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TOPOLOGY: 11n
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0
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1455 Pennsylvania
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CHITTENDEN, Thomas D.; and
                                                                                                                                                                                                                                                                                                              linear
                                                                                                           STANDARD;
                                                                                                                                                                                                                                                                                                                      single
           PC/TUS9606122
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Pred. No. 3.25e-46;
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Matches
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                                                                                                             Sequence 17, Application US/08440391 Patent No. 5656725
                                                                                                                                               Sequence 17, Application US/08440391
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                                                                                                                                                                                                                                    US-08-440-391-17 STANDARD; DNA; UNC; 84
                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: DNA (genomic) Sequence 93 BP; 22 A; 31 C; 26 G; 14 T; 0 other;
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                                                                                                                                                                                                                                                                                        820
                                                                                               GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE: 202-942-840
TELEFAX: 202-942-8484
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                       760 CAGGTGGGACGGCAGCTCGCCATCATTGGGGACGACATCAACCGACGCTATGACTCAGAG 819
                                                                                                                                                                                                                                                                                                               61 TTCCAGACCATGTTGCAGCACCTGCAGCCCACG 93
  APPLICANT: CHITTENDEN, Thomas D.; and APPLICANT: LUTZ, Robert J.

TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS WHICH TITLE OF INVENTION: MODULATE APPOPTOSIS

NUMBER OF SEQUENCES: 34

CORRESPONDENCE ADDRESS:

ADDRESSEE: Hale and Dorr
                                                                                                                                                                                                                                                                                                                                                               1 CAGGTGGGACGCCAGCTCGCCATCATCGGGGACGACATCAACCGACGCTATGACTCAGAG 60
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CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REGISTRATION NUMBER: 32,073
REFERENCE/DOCKET NUMBER: 104322.147PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-942-8400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STATE: U. 20004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 93 base pairs TYPE: nucleic acid STRANDEDNESS: single
                                                                                                                                                                                                                                                                                        TTCCAGACCATGTTGCAGCACCTGCAGCCCACG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US 0 FILING DATE: 12-MAY-1995 CLASSIFICATION:
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Similarity 98.9%;
92; Conservation
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Σ: Hale and Dorr
1455 Pennsylvania Avenue, N.W.
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PENTION: NOVEL PEPTIDES AND COMPOSITIONS
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TELEPHONE: 202-942-8484
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGTH: 84 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: DNA (genomic)
Sequence 84 BP; 20 A; 26 C; 26 G; 12 T; 0 other;
                                                                                                                                                                                                                                                Sequence 17, Application PC/TUS9606122
                                                                                                                                                                                                                                                                                                 01-JAN-1900
                                                                                                                                                                                                                                                                                                                                                         PCT-US96-06122-17 STANDARD; DNA; UNC; 84 BP
                                                                                                                                                                                                                                                                       Sequence 17, Application PC/TUS9606122
                                                                                                                                                                                                                                                                                                                         XXXXXX
                                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                       802 CGACGCTATGACTCAGAGTTCCAG 825
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6.4%;
Local Similarity 98.8%;
les 83; Conservation
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/440,391
                   COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/06122
FILING DATE: HEREWITH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 CCTAGCAGCACCATGGGGCAGGTGGGACGGCAGCTCGCCATCATCGGGGACGACATCAAC 60
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-942-8400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: WL. STATE: D.C. 20004
                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                          NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                APPLICANT: IMMUNOGEN, INC.
TITLE OF INVENTION: NOVEL PEPTIDES
TITLE OF INVENTION: WHICH MODULATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
PRIOR APPLICATION DATA:
                                                                                                        STATE: L. Z
                                                                                                                                     STREET: 1455 Penr
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STRANDEDNESS:
TOPOLOGY: lir
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CLASSIFICATION:
            CLASSIFICATION
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                                                                                                                                                                ADDRESSEE:
                                                                                                                                                   1455 Pennsylvania Avenue, N.W
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Pred. No. 9.61e-40;
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Best Local S
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-232-463-14 STANDARD; DNA; UNC; 7218 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 84 BP;
                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     742 CCTAGCAGCACCATGGGGCAGGTGGGACGGCAGCTCGCCATCATTGGGGACGACATCAAC 801
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TELEFAX: 202-942-8484
INFORMATION FOR SEQ ID NO: 17:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 84 base pairs
TYPE: nucleic acid
STRANDEDNESS: singlc
TOPOLOGY: linear
                                                      APPLICATION NUMBER: US
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US
 FILING DATE:
ATTORNEY/AGENT :
NAME: BENT, :
                                                                                                                                                                                                                                          APPLICANT: DORNER, F.
APPLICANT: SCHEIFLINGER, F.
APPLICANT: FALKNER, F. G.
TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
NUMBER OF SEQUENCES: 52
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 61
                                                                                                                                                              ZIP: 22313-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                 COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 CCTAGCAGCACCATGGGGAGGTGGGACGGCAGCTCGCCATCATCGGGGACGACATCAAC 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WOLECULE TYPE: DNA (genomic) quence 84 BP; 20 A; 26 C; 26 G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELECOMMUNICATION INFORMATION: TELEPHONE: 202-942-8400
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                                   APPLICATION NUMBER:
                                                                                                                                                                                                 COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REGISTRATION NUMBER: 32
REFERENCE/DOCKET NUMBER:
                                               FILING DATE:
                                                                                                                                                                                                                                  ADDRESSEE: Foley & Lardner STREET: 1800 Diagonal Road, Suite
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6.4%;
Similarity 98.8%;
83; Conservation
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NUMBER: EP 91 114 300.6
26-AUG-1991
INFORMATION:
Stephen A.
                                                          US/07/935,313
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Pred. No. 9.61e-40;
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Best Local Similarity 5.1%;
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                                                                                                                                                                                                                                                                                1238
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 19, Application US/08440391
Patent No. 5656725
                                                                                                                                                                                                                                                                                                     Sequence 19, Application US/08440391
                                                                                                                                                                                    01-JAN-1900
                                                                                                                                                                                                        XXXXX
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                                                            GENERAL INFORMATION:
APPLICANT: CHITTENDEN, Thomas D.; and
APPLICANT: LUTE, Robert J.
TITLE OF INVENTION: NOVEL PEPTIDES AND
TITLE OF INVENTION: MODULATE APOPTOSIS
NUMBER OF SEQUENCES: 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                         998
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INFORMATION FOR SEQ ID NO:
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IMMEDIATE SOURCE:
CLONE: pTZgpt-
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LENGTH: 7218 base pair
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 30
TELECOMMUNICATION INFORMATION:
                                                   CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE:
                              ADDRESSEE:
STREET: 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                      GCCAGGTGACCCGCTTTGTGGGTGGACTTCATGCTGCATCACTGCATTGCCCGGTGGATTG
                                                                                                                                                                                                                                                                                                                                              TGGTGGTTCTGGGTTCTGTTGGGCCAGTTTGTGGTACGAAGATTCTTCAAATCAT
                                                                                                                                                                                                                                                                                                                                                                                       CACAGAGGGGTGGCTGGCAGCCCTGAACTTGGGCAATGGTCCCATCCTGAACGTGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TGGGCTTCAGCTACCGTCTGGCCCTACACATCTACCAGCGTGGCCTGACTGGCTTCCTGG
                                                                                                                                                                                                                                                                                TTTGCCTTCTCTGCTCCTTGCAGGGTCCCCCCTC 1271
                                                                                                                                                                                                                                                                                                                         STATE: D.C.
ZIP: 20004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRANDEDNESS: single
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                   Washington
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                             E: Hale and Dorr
1455 Pennsylvania
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(703)683-4109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               linear
                                                                                                                                                                                                                                      STANDARD; DNA; UNC; 45 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    200; Mismatches 174; Indels 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 46; DB 7; 1
Pred. No. 6.48e-15
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                               Avenue,
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                                                                                                                                                                                                                                                                                                                                          Sequence 19, Application PC/TUS9606122
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                                                                                                                                                                                                                                                                                                                                                                                                                      PCT-US96-06122-19 STANDARD; DNA; UNC; 45 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: DNA (genomic)
Sequence 45 BP; 10 A; 15 C; 15 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   763 GTGGGACGCAGCTCGCCATCATTGGGGACGACATCAACCGACGC 807
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE: 202-942-8400
TELEFAX: 202-942-8484
INFORMATION FOR SEQ ID NO: 1
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ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,073
REFERENCE/DOCKET NUMBER: 1043
TELECOMMUNICATION INFORMATION:
                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local
          ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,073
                                                             PRIOR APPLICATION DATA:
PRIOR APPLICATION UNIMBER: US 08/440,391
                                                                                                                                                                                                                                                                        TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 GTGGGACGGCAGCTCGCCATCATCGGGGACGACATCAACCGACGC 45
                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                APPLICANT:
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CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                   COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release "'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: single
                                                       APPLICATION NUMBER: US 0 FILING DATE: 12-MAY-1995
                                                                                                   APPLICATION NUMBER: PCT/US96/06122 FILING DATE: HEREWITH
                                           CLASSIFICATION:
                                                                                                                                                                                                                 CITY: Washington
                                                                                                                                                                                                                           STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY:
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FILING DATE: 12-MAY-1995
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                       ADDRESSEE:
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Similarity 97.8%;
44; Conservative
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1455 Pennsylvania Avenue, N.W.
                                                                                                                                                                                                                                                                                               IMMUNOGEN, INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    linear
                                                                                                                                                                                                                                                                        NOVEL PEPTIDES AND COMPOSITIONS WHICH MODULATE APOPTOSIS
                                                                                                                                  Release #1.0, Version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US/08/440,391
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Pred. No. 5
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104322.147PCT
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Query Match 3.0%;
Best Local Similarity 100.0%;
Matches 39; Conservative
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Best Local Similarity 97.8%;
Matches 44; Conservative
                                                                                             TELEPHONE: 202-942-8400
TELEPAN: 202-942-8484
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 39 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: 202-942-8400
TELEFAX: 202-942-8484
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 base pairs
TYPE: nucleic acid
                                               TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
Sequence 39 BP; 11 A; 11 C; 11 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear MOLECULE TYPE: DNA (genomic) Sequence 45 BP; 10 A; 15 C; 15 G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-440-391-21 STANDARD; DNA; UNC; 39 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            763 GTGGGACGCCAGCTCGCCATCATTGGGGGACGACATCAACCGACGC 807
                                                                                                                                                                                                                                       SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION UNMER: US/08/440,391
FILING DATE: 12-WAY-1995
CLASSIFICATION: 435
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 GTGGGACGCCAGCTCGCCATCATCGGGGACGACATCAACCGACGC
                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,0
REFERENCE/DOCKET NUMBER:
                                                                                                                                                               TELECOMMUNICATION INFORMATION: TELEPHONE: 202-942-8400
                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS WHICH TITLE OF INVENTION: MODULATE APOPTOSIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: CHITTENDEN, Thomas D.; and APPLICANT: LUTZ, Robert J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELECOMMUNICATION INFORMATION:
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STATE: D.C
TO: 20004
                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release "."
                                                                                       STRANDEDNESS:
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1455 Pennsylvania Avenue, N.W
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Score 39; DB 7; I
Pred. No. 1.99e-10;
0; Mismatches 0
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Pred. No. 5.69e-13;
0; Mismatches 1
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Best Local :
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 39 base pairs
TYPE: nucleic acid
GTB ANTENNEC.
                                     US-08-238-163-5 STANDARD;
                                                                                                                            TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
Sequence 39 BP; 11 A; 11 C; 11 G
 01-JAN-1900
                XXXXX
                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 21,
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                                                                                                        Local
                                                                                1 GGGGACGACATCAACCGACGCTATGACTCAGAGTTCCAG 39
                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,073
REFERENCE/DOCKET NUMBER: 10.
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                CURRENT APPLICATION DATA:
APPLICATION NUMBER: PC:
FILING DATE: HEREWITH
                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: IMMUNOGEN, INC.
TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS
TITLE OF INVENTION: WHICH MODULATE APOPTOSIS
                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/440,391
FILING DATE: 12-MAY-1995
                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 3
                                              11
                                                                                                                                                                                                                                                                                                                                        STATE: U. 20004
                                                                   GGGGACGACATCAACCGACGCTATGACTCAGAGTTCCAG
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                                                                                                                                                    STRANDEDNESS:
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                                                                                                                                                                                                                                                                           CLASSIFICATION:
                                                                                                                                                                                                                                                                                                     SOFTWARE: PatentIn Release #1.0, Version
                                                                                                                                                                                                                                                                                                                                                           CITY: Washington
                                                                                                                                                                                                TELEPHONE:
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                                                                                               3.0%;
Similarity 100.0%;
39; Conservation
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1455 Pennsylvania Avenue, N.W.
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                                     DNA; UNC;
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                                                                                                       Score 39; I
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                                     215 BP
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Best Local :
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TELEPAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 5
SEQUENCE CHARACTERISTICS:
LENGTH: 215 base pairs
TYPE: nucleic acid
STRANDEDNESS: 8ingle
                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: misc_feature
LOCATION: 1..215
OTHER INFORMATION: /Standard_namer "Deduced amino
OTHER INFORMATION: sequence of PGIP from bean."
Sequence 215 BP; 15 A; 8 C; 25 G; 26 T; 141 other;
US-08-238-163-5 STANDARD; DNA; UNC; 215 BP
                                                                                                                                                                         1027
                                                                                 1086 GAACTTGGGCAATGGTCC-CATCCTGAACGTGCTGGTGGTTCTGGGTGT 1133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 5, Application US/08238163 Patent No. 5569830
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                                                                                                                                                                                                                                                           967
                                                                                                                           124 KTAMTSRNRTGKTANNAVDSRNMGDASVGSDKNTKKHAKNSADGKVGSK 172
                                                                                                                                                                                                          64 ANYNYGGNNVGAAKTHYYTHTNVSGADSKTVTDSYNASGTSSSNGGTDGNRSGADSYGSS 123
                                                                                                                                                                                                                                                                                                                                 2.9%;
Local Similarity 16.0%;
es 27; Conservation
                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC COMPAtible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/238,163
FILING DATE: 03-MAY-1994
CLASSIFICATION: 800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: 23
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ATTORNEY/AGENT INFORMATION:
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MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FEATURE:
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APPLICANT: LABAVITCH, John
APPLICANT: POWELL, Ann
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: PLANT INHIBITORS OF FUNGAL
TITLE OF INVENTION: POLYGALACTURONASES AND THEIR USE TO CONTROL FUNGAL DISEA
NUMBER OF SEQUENCES: 24
                                                                                                                                                                                                                                                    ATCTACCAGCGTGGCCTGACTGGCTTCCTGGGCCAGGTGACCCGCTTTGTGGTGGACTTC
                                                                                                                                                                     ATGCTGCATCACTGCATTGCCCGGTGGATTGCACAGAGG-GGTGGCTGGCTGGCAGCCCT 1085
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REGISTRATION NUMBER: 34,774
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STOTZ, Henrik
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                                                     501
                                                                                                                                                             621 CTGCTCCTCAGAAGCAGAGGGCAGGGCAGGCTCTCCGCACTCCTGGCAGGAGGACCTGG 562
                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Bastian, Kevin L.
REGISTRATION NUMBER: 34,774
REFERENCE/DOCKET MUMBER: 230.
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 543-9600
TELEFAX: (415) 543-5043
441
                         180 RYGTGTKSNVSNNCGGGNKRDVSSY 204
                                                                              120 YGSSKTAMTSRNRTGKTANNAVDSRNMGDASVGSDKNTKKHAKNSADGKVGSKNNGDRNN 179
                                                                                                       561 GCCTTGCCCCGAAGCCATTTTTCAGGTCTCAGTGGAGGACGGGATCAGCCTGCCGGGATC 502
                                                                                                                                  61
                                                                                                                                                                                                               2.7%;
Local Similarity 11.2%;
les 23; Conservative
                                                                                                                                                                                      1 MTNVTMSSSSVVSRTASCNDKAKKDGNTTSSWTTDCCNRTWGVCDTDTTYRVNNDSGHNK 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/0
FILING DATE: 03-MAY-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                         FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: PLANT INHIBITORS OF FUNGAL TITLE OF INVENTION: POLYGALACTURONASES AND THE NUMBER OF SEQUENCES: 24
                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE:
                                                                                                                                 YSSAN-YNYGGNNVGAAKTHYYTHTNVSGADSKTVTDSYNASGTSSSNGGTDGNRSGADS 119
                                                                                                                                                                                                                                                                  LOCATION: 1..215

OTHER INFORMATION: /standard_name= "Deduced am.
OTHER INFORMATION: sequence of PGIP from bean.
ence 215 BP; 15 A; 8 C; 25 G; 26 T; 141 other;
 CTGCTCCCAGGGGCTGAGTGGGAGC 417
                                                     CTGGCCCAACCCGGGTGGCTCAGCAGGGTGGAGATGGAGGTCCCGAGGGGCTGGCGGCTG 442
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
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T: Steuart Street Tower, One Market Plaza
San Francisco.
                                                                                                                                                                                                                                                                                                                                                                                         H: 215 base pairs nucleic acid
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STOTZ, Henrik
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Pred. No. 5.92e-08;
85; Mismatches 96
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RESULT 14 ID PCT-US95-11934-92 STANDARD; DNA; UNC; 81
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                                                                                   1421 YYYYYYYYYYYYYYGTA 1437
                                                                                                                             CLONE: pTZgpt-F1s
Sequence 7218 BP; 1944 A; 1491 C; 1486 G; 1929 T; 368 other;
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                                                                                                        104 TTGTTTTTACTTTTCATCTTTTTCAGTTCTATAACATTTGAATTTTTATTAAGTATATTT 45
                                                                                                                                                                                                                                                                                   TELEFAX: (703)683-4109
TELEX: 899149
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: EP 91 114
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 39,768
REFERENCE/DOCKET NUMBER: 3047
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)836-9300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
                                                              44 CATGTATTGTCTCTATA 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 22313-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: FALKNER, F. G.
TITLE OF INVENTION: RECON
NUMBER OF SEQUENCES: 52
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
                                                                                                                                                                                                                 IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY: USA
ZIP: 22313-0299
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                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER:
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                                                                                                                                                                                                                                                                                                         (703)683-4109
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                                                                                                                                                 Score 31; DB 7;
Pred. No. 1.46e-05
52; Mismatches 2
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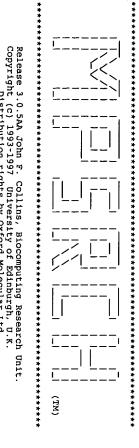
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Best Local Similarity 13.2%;
Sequence 94, Application PC/TUS9511934
GENERAL INFORMATION:
APPLICANT: Cytogen Corporation
TITLE OF INVENTION: Antigen Bindin
TITLE OF INVENTION: Peptide Librar
                                                                                                                                                                                                                                                                                                                                                     STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
Sequence 81 BP; 3 A; 5 C; 6 G; 4 T; 63 other;
                                                                       Sequence 94, Application PC/TUS9511934
                                                                                                01-JAN-1900
                                                                                                                       XXXXX
                                                                                                                                                         PCT-US95-11934-94 STANDARD; DNA; UNC; 74 BP
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INFORMATION FOR SEQ ID NO: 92:
                                                                                                                                                                                                          945 CAGCTACCGTCTGGCC 960
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                                                                                                                                                                                                                                 64 BNNBNNBNNBNACGCC 79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTMARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/11934
FILING DATE: 20-SEP-1995
                                                                                                                                                                                                                                                                               APPLICANT: Cytogen Corporation
TITLE OF INVENTION: Antigen Binding Peptides (Abtides) From
TITLE OF INVENTION: Peptide Libraries
NUMBER OF SEQUENCES: 103
                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
LENGTH: 81 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
NAME: Misrock, S. Leslie
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                         TGCCTCCAGCCTGTTTGAGAGTGGCATCAATTGGGGCCGTGTGGTGGCTCTTCTGGGCTT 944
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STATE: New York
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REGISTRATION NUMBER: 18,872 REFERENCE/DOCKET NUMBER: 11
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Antigen Binding Peptides (Abtides) From Peptide Libraries
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Pred. No. 1.00e-02
20; Mismatches 4:
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Best Local S
Matches
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Sequence 74 BP; 3 A; 4 C; 3 G; 1
                                                                                          889 TCCAGCCTGTTTGAGAGTGGCATCAATTGGGGCCGTGTGGTGGCTCTTCTGGGCTTCAGC 948
                                                                                                                                                                                                                                                                     TELEFAX: (212) 869-97-
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
NAME: Misrock, S. Leslie
REGISTRATION UNMBER: 1872
REFERENCE/DOCKET NUMBER: 1101
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
                                             949 TACCGTCTGGCC 960
                                                                    61 NUBNUBNACGCC 72
                                                                                                                                       Y Match 1.9%;
Local Similarity 9.7%;
hes 7; Conservative
                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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OPERATING SYSTEM: PC-DOS/MS-DOS

SOPTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
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CORRESPONDENCE ADDRESS:
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CITY: New York
STATE: New Yor
                                                                                                                                                                                                              STRANDEDNESS:
TOPOLOGY: 11r
                                                                                                                                                                                                                                TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION:
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FILING DATE: 20-SEP-1995
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(212) 869-9741/8864
                                                                                                                                                                                                              linear
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                                                                                                                                       Score 24; DB 14;
Pred. No. 1.19e-01;
20; Mismatches 45
                                                                                                                                                                                                                                                                      94:
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                                                                                                                                                                                       1 T; 63 other;
                                                                                                                                          45;
                                                                                                                                                              Length 74
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Release 3.0.5AA John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1997 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd

MPsrch_nn n.a. n.a. database search, using Smith-Waterman algorithm

Tabular output not generated. Thu May 7 00:07:44 1998; MasPar time 296.75 Seconds 960.555 Million cell updates/sec

Description: Perfect Score: >US-08-320-157-20 (1-5408) from US08320157.seq

Sequence: 5408

N.A.

Scoring table: TABLE default Gap 6

Nmatch STD: Dbase 0; Query 0

Searched: 102136 seqs, 26354296 bases ×

Post-processing: Minimum Match 0% Listing first 45 summaries

Database:

n-issued 1:backl 2:51 3:52 4:53 5:54 6:55 7:56 8:57 9:PCT90 10:PCT91 11:PCT92 12:PCT93 13:PCT94 14:PCT95 15:PC

Statistics: Mean 10.105; Variance 5.656; scale 1.786

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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|---------------|----------------|------------------------------|---------------|--------------------------------|--------------------------------|---------------|-------------------------------|---------------|---------------|--------------------------------|---------------|---------------|------------|---------------|---------------|------------------------------|------------------------------|---------------|----------------|
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| US-08-250- | DCT - TEOS - O | US-08-273- | PCT-US95-0 | US-08-157- | US-08-323- | PCT-US95-0 | PCT-US94-0 | US-08-195- | PCT-US93-0 | PCT-US96-1 | US-08-133- | US-08-484- | us-07-906- | PCT-US95-0 | PCT-US95-0 | US-08-759- | US-08-629- | US-08-321- | Ħ |
| Sequence | | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Description |
| 35, Applicati | 0 3551405440 | Applicatio | 11, Applicati | Applicatio | Applicatio | 43, Applicati | Applicati | 4, Applicatio | 83, Applicati | Applicatio | 8, Applicatio | 10, Applicati | • | 10, Applicati | 43, Applicati | Applicatio | Applicatio | 17, Applicati | ion |
| 5.88e-118 | 1 000-110 | 1.96e-119 | 9.61e-116 | 9.61e-116 | 1.19e-121 | 3.97e-123 | 6.55e-121 | 6.55e-121 | 3.97e-123 | 6.55e-121 | 1.19e-121 | 2.40e-125 | 2.63e-128 | 4.77e-129 | 9.40e-133 | 9.40e-133 | 9.40e-133 | 0.00e+00 | Pred. No. |

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| ALIGNMENTS | US-08-306- PCT-US93-0 US-08-157- US-08-250- US-08-250- US-08-250- US-08-30-0 US-08-310- US-08-370- US-08-370- | |
| | | Sequence |
| | 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1 | 115, 21, 25, 27, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28 |
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| | | 9.61e-116 9.61e-116 9.61e-119 1.96e-119 5.88e-118 1.96e-119 1.96e-119 1.96e-119 5.88e-118 5.88e-118 1.96e-119 5.88e-118 |

RESULT ID US US-08-321-071A-17 STANDARD; DNA; UNC; 1968 XXXXXX ВP

01-JAN-1900

Patent No. 5672686 GENERAL INFORMATION: APPLICANT: CHITTE Sequence 17, Application US/08321071A Sequence 17, Application US/08321071A. APPLICANT: CHITTENDEN, Thomas D.

TITLE OF INVENTION: APOPTOSTS RELATED PROTEIN Bcl-Y, AND METHODS
TITLE OF INVENTION: OF USE THEREOF
NUMBER OF SEQUENCES: 31

CORRESPONDENCE ADDRESS:

STREET: 1455 Peni CITY: Washington ADDRESSEE: E: Hale and Dorr 1455 Pennsylvania Avenue, N.W.

COMPUTER READABLE FORM:
MEDIOM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA: Version #

FILING DATE: 11 CLASSIFICATION: APPLICATION NUMBER: US/08/321,071A FILING DATE: 11-OCT-1994

PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/10103
FILING DATE: 09-AUG-1995
PRIOR APPLICATION DATA: 09-BUG-1995
PRIOR APPLICATION NUMBER: 08/287,427
FILING DATE: 09-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,073
REFERENCE/DOCKET NUMBER: 104322.121C: TELECOMMUNICATION INFORMATION: 104322.121CIP

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Best Local S
Matches 178
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TELEPAX: 202-942-8484
INFORMATION FOR SEQ ID NO: 17
SEQUENCE CHARACTERISTICS:
LENGTH: 1968 base pairs
TYPE: nucleic acid
STRANDENNESS: single
TOPOLOGY: linear
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|uence 1968 BP;
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                                                                                                                                    CCCTACACGTCTACCAGCATGGCCTGACTGGCTTCCTAGGCCAGGTGACCCGCTTCGTGG
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1784; Conser
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llarity 90.0%;
Conservative
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Pred. No. 0.00e+00;
0; Mismatches 167;
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                                                                                                                                                                                   CCTGAGCCTGGTCCTGGCCGTCCCTAAGCATGTGTCCCAGGAGCAGGACCTACTAGGAGA
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                                                                                                                                TTCATCTGGAAGGTTCTAAGTGGGAGAAGGACTATCAACACCAC-AGGAATCCCAGAGGT
                                                                                                                                       TTCATCTGGAGGGTTCTAAGTGGGAGAAGGACTACCAACACCACTAGGAATCCCAGAGGT
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                          AGAAGTTCTTGATTCAGCCAAATGCAGGGAGGGAAGGCAGAAGGAGCCCACAGGCCACTC
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                                                                                                                                                                                                  Sequence 320 BP; 50 A; 97 C; 80 G; 93 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 5, Application US/08629939 Patent No. 5645995
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   187
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                                                                                        67
                                                                                                                                                                   Local
                                                                                                                                   7
                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                             MOLECULE TYPE: HYPOTHETICAL:
                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
LENGTH: 320 base pairs
                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US/08/
FILING DATE: 12-APRIL-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: KIT, Gordon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES: 1.
                                                                 GCGTGATATCGGCTCAGTGCAACCTCCGGCCTCCAGGCTCAAGCGATTCTCCTGCCTCAG
                                                                                                                      TITITITITITITITITIGAGACGGAGICTGGCTCTGTCGCCCAGGCTGGAGTGCAGTG 66
                                  CCTCCCAAGTAGCTGGGACTACAGGCGCCCGCCACTACGCCCAGCTAATTTTTTGTATTT 186
                                                                                                            TTTATTTTTCTTTTTTTGAGATGGAGTCTCGCTCTGTCGCC-AGGCTGGAGTGCAGTG 4986
TTAGTAGAGACGGGGTTTCACCGTTTTAGCCAGGATGGTCTCGATCTCCTGACCTCGTGA 246
                      CCTCCCGAGTAGCTGGGACTACAGGTGCCCGCCACCACCCCAGCTAATTTTT-GTATTT
                                                                                     GCGGGATCTCGGCTCACTGCAAGCTCCGGCCTCCCGGGTTCACGCCATTCTCCTGCCTCAG 126
                                                                                                                                                                                                                                                                                                                                      REGISTRATION NUMBER: 30,764
REFERENCE/DOCKET NUMBER: A-6612
                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDIUM TYPE:
                                                                                                                                                                                                                                    TOPOLOGY:
                                                                                                                                                                                                                                             STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                               TELEPHONE:
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                                                                                                                                                                  h 4.0%;
Similarity 88.3%;
                                                                                                                                                                                                                                              nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20037
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METHODS
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Pred. No. 9.40e-133;
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Avenue, N.W., Suite
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                                                                                                                                                       32;
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ID US-08-759-873-5 STANDARD;
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Best Local (
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MOLECULE TYPE:
HYPOTHETICAL: N
Sequence 320 BP; 50
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INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 320 base pairs
                                                                   67
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/759,873
FILING DATE: 12-APRIL-1996
CLASSIFICATION: 435
CLASSIFICATION: 435
                                                                                                            7 TTTTTTTTTTTTTTTTGAGACGGAGTCTGGCTCTGTCGCCCAGGCTGGAGTGCAGTG
                                                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER: A-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 293-7060
                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
                                                                                                                                                                                                                                                                                                                                               ATTORNEY/AGENT INFORMATION: NAME: KIT, Gordon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
          GCGGGATCTCGGCTCACTGCAAGCTCCGCCCTCCCGGGTTCACGCCATTCTCCTGCCTCAG
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                                           GCGTGATATCGGCTCAGTGCAACCTCCGCCTCCCAGGCTCAAGCGATTCTCCTGCCTCAG
                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                        TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: Washington,
                                                                                                                                                                                                                            STRANDEDNESS:
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Similarity 88.3%;
265; Conservative
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2100 Pennsylvania
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50 A; 97 C;
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Pred. No. 9.40e-133;
0; Mismatches 32;
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Avenue, N.W., Suite
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4866 TTAGTAGAGATGGGGTTTCACCATGTTGGCCATGATGGTCTCAAACTCTTGACCTCATGA
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                                                                                                          TELEFAX: (212) 751-6849
INFORMATION FOR SEQ ID NO: 43:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             247
                                                                                                                           TELEPHONE: (212) 758-4800
                                                                                                                                                                                             APPLICATION NUMBER: 08/257,963
FILING DATE: 07-7UN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/952,796
                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Patricia; Schwartz, Joan P.;
APPLICANT: Taniwaki, Takayuki
TITLE OF INVENTION: PIGMENT EPITHELIUM
TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION GENOMIC
TITLE OF INVENTION: ORGANIZATION AND SEQUENCE OF THE PEDF GENE
                                                                                                 SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/3
                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
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                                        FEATURE:
                                                                                                                                                                           FILING DATE: 24-SEP-1992
ATTORNEY/AGENT INFORMATION:
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                                                 MOLECULE TYPE:
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                                                      STRANDEDNESS: Doub
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                                                                                                                                                        REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                             CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                          COUNTRY: USA
                             NAME/KEY: P1-147
                                                                                                                                                                   NAME:
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                     LOCATION:
                                                                                      LENGTH:
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DENTIFICATION METHOD:
THER INFORMATION: full length genomic
                                                                           H: 22481 Base Pairs
                                                                                                                                                                                                                                                                                                                                                                                             New York
                                                                                                                                                                 DOROTHY R. AUTH
                                                                                                                                                                                                                                                                                                                                                                                    New York
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Chader, Gerald J.; Becerra,
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                                                 Genomic DNA
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06-JUN-1995
                                                                                                                                                                                                                                                                                                                                             Floppy Disk
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                                                                                                                                                                                                                                                                                                                                                      XXXXXX
                                                                                                                                                                                                                         TITLE OF INVENTION:
TITLE OF INVENTION:
                 FILING DATE: 30-DEC-PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                      APPLICANT:
                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                NUMBER OF SEQUENCES:
                                                                                                                                                      CITY: New York
STATE: New York
COUNTRY: USA
                                                        FILING DATE: 0 CLASSIFICATION:
          APPLICATION NUMBER:
                                                                          APPLICATION NUMBER:
                                                                                                                                                                                             ADDRESSEE:
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Similarity 86.2%;
274; Conservative
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07-JUN-1994
                            30-DEC-1994
                                                                  06-JUN-1995
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12940 AAATACAAAAAATTAGCTGGGTGTGGTGGGGGGGCGCCTGTAGTCCCAGCTACTCGGGAGG 12999
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                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy Disk
COMPUTER: LEM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
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Taniwaki, Takayuki
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Morgan & Finnegan, L.L.P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PIGMENT EPITHELIUM
DERIVED FACTOR: CHARACTERIZATION GENOMIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANIZATION AND SEQUENCE OF THE PEDF GENE
08/257,963
                                                                       08/367,841
                                                                                                                                                                         PCT/US95/07201
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Pred. No. 9.40e-133;
0; Mismatches 41;
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MOLECULE TYPE:

TOPOLOGY:

ORGANISM:

LOCATION:

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4747 AGGCCGGGTGCAGTGGTTCACACCTGTAATCC-AGCACTTTGGGAAGGCCAAGGCAGGTGG 4805
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                                                                                                                                                                                                                                                                                                        1630 ATCATGAGGTCAGGAGTTCAAGACCAGCCTGGCCAAAATGGTGAAACCCCGTCTCTACTG 1689
                                                                     Sequence 15, Application US/07906871 Patent No. 5340739 GENERAL INFORMATION:
                                                                                                                             Sequence 15, Application US/07906871
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: (212) 751-68 INFORMATION FOR SEQ ID NO:
APPLICANT: AVEAham,
TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER: 20:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEFAX: (212) 751-6849
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 7210 Base Pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                IMMEDIATE SOURCE:
LIBRARY: DASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 24-SEP-1992
ATTORNEY/AGENT INFORMATION:
                                                      APPLICANT: Stevens,
                                                                                                                                                                                                                                                                                                                                                                   GCTGAGGCAGGATAATTGCTTGACCCCAGGAGGCAGAGGTTGCAGTGAACCGAGATCACG 1809
                                                                                                                                                                                                                                                                                                                                                                                                                            AAAAATACAAAAATTAGCTGGGTGCAGTGGCGGGCGCCTGTAGTCTCAGCTACTCAGGAG 1749
                                                                                                                                                                                                                                                                                          ATCATGAGGTCAAGAGTTTGAGACCATCATGGCCAACATGGTGAAACCCCCATCTCTACT- 4864
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: 7.0 kb Not 1-Not OTHER INFORMATION: fragment; Derived from human placental OTHER INFORMATION: genomic DN; also referred to as JT106 ence 7210 BP; 1878 A; 1688 C; 2052 G; 1592 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                    GCTGAGGCAGGAGAATCGCTTGAGCCTGGGAGGCGGAGGTTGCACTGAGCCGATATCACG 4984
                                                                                                                                                                                                                                                                                                                                                                                                             AAAAATACAAAAATTAGCTGGGTGTGGTGGCGGCACCTGTAGTCCCAGCTACTCGGGAG 4924
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: JT6A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: Nucleic Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IDENTIFICATION METHOD:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3.9%;
Similarity 87.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DOROTHY R. AUTH
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                                          Avraham,
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            HEMATOPOIETIC CELL SPECIFIC TRANSCRIPTIONAL REGULATORY
                                          Richard L.
Shalom
THEREOF
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Pred. No. 4.77e-129;
0; Mismatches 33:
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               REGULATORY ELEMENTS OF SERGLYCIN AND USES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 7210;
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Best Local Similarity 86.8%;
   7637
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                                                                                                   7517 TAAAAAGTACTITCGGCCGGGTGTGGTGGTGCTCACCACCTGTAATCCCAGCACTTTGGGAGA 7576
                                                                                                                                                                                                 NAME/KEY: exon
LOCATION: 16397..173;
Sequence 17327 BP; 4936 A;
                              4793
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: (202)833-871 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US
FILING DATE: 13-JUL-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/
FILING DATE: 13-JUL-1988
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 03 JAN 1992
PRIOR APPLICATION DATA:
APPLICATION NIMBER: US/07/816,289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                FEATURE:
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NAME/KEY:
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 ACCCCATCCCTACTAAAAATACAAAAATTAGCTGGATATGATTGTGGGCACCTGTCATCC 7696
                                           CTGAGGCGGGTGGATCACCTGAGGTCAGGAGTTCGAGACCAGCCTGGCCAACATGGTGAA 7636
                                                                                    TAAGAAATATTTGAGGCCGGGTGCAGTGGTTCACACCTGTAATCC-AGCACTTTGGGAGG 4792
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/0' FILING DATE: 18-JAN-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: UFILING DATE: 19920103 CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                  LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: 06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Cimbala, Michele A REGISTRATION NUMBER: 33,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE:
                            CCAAGGCAGGTGGATCA--TGAGGTCAAGAGTTTGAGACCATCATGGCCAACATGGTGAA 4850
                                                                                                                                                                                                                                                                                                         LOCATION:
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                                                                                                                                                                                                                                                              LOCATION:
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                                                                                                                                            Conservative
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1225 Connecticut Avenue, N.W., Suite 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (202)833-8716
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754..9596
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621..753
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9745..16396
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16397..17327
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9597..9744
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                                                                                                                                                                                                   3607 C; 3739 G; 5045 T; 0 other;
                                                                                                                                         Score 209; DB 4; Length 17327; Pred. No. 2.63e-128; 0; Mismatches 37; Indels 4;
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Matches Query Match Best Local

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RESULT ID US

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 Query Match
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                      Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Patent No. 5552282
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 10,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 10,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-JAN-1900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        XXXXXX
                                                                                      TELEX: 762829
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                         COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/484,044
                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Caskey, C. T.

APPLICANT: Fu, Ying-Hui
APPLICANT: Friedman, David L.
APPLICANT: Pizzuti, Antonio
APPLICANT: Fenvick, Raymond G.
TITLE OF INVENTION: Diagnosis of Myotonic Muscular Dystrophy
NUMBER OF SEQUENCES: 13
                                MOLECULE TYPE:
                                                                                                                      TELECOMMUNICATION INFORMATION:
TELEPHONE: 713/651-5325
TELEFAX: 713/651-5246
                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 0
FILING DATE: 19-FEB-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CAGCTACTCGGGAGGCTGAGGCAGGAGAATCGCTTGAACCTGGGAGGCAGAGGTTGCAGT
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                                                                                                                                                                   NAME: Paul, Thomas D. REGISTRATION NUMBER:
                                                                                                                                                                                                                                    CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                       COUNTRY: U.S.A.
ZIP: 77010-3095
                                                                                                                                                                                                                                                                                                                                                                                    STREET:
                                                      STRANDEDNESS:
                                                                                                                                                         REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                  FILING DATE
                                             TOPOLOGY:
                                                                              LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE:
                 JLE TYPE: DNA (genomic)
11613 BP; 2284 A; 3317 C; 3604 G; 2408 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                        Houston
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5552282
                                                                H: 11613 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                1301 McKinney, Suite 5100
                                            linear
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                                                      double
  3.85
                                                                                                                                                                   32,714
Score 205;
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DB
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Length 11613;
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Matches 272; Conservative
LELEX: 92-1742 EZEKIEL INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 282 base pair
TYPE: Director
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-133-629-8 STANDARD; DNA; UNC; 282 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 8, Application US/08133629
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    01-JAN-1900
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                                                                 APPLICATION NUMBER: US/08/133
FILING DATE: 07-OCT-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Greer, Helen
REGISTRATION NUMBER: M082
REFERENCE/DOCKET MUMBER: M082
TELECOMMUNICATION INFORMATION:
TELEPAX: 617-720-3500
TELEPAX: 617-720-3441
TELEPAX: 617-720-3441
                                                                                                                                                                                                                                                                                                                     APPLICANT: Munroe, David J.
APPLICANT: Housman, David E.
TITLE OF INVENTION: AMPLIFICATION OF NUCLEIC ACIDS
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
STREET: 600 Atlantic Avenue
                                                                                                                                                                                            SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAAAAAAAAAAA 6673
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AGCCGAGATCATGCCACTGCACTCCAGCCTGGGCGACAGAGCAAGACTCCGTCTCAAAAA
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                                                                                                                                                                                                                    COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                      COUNTRY: UI
ZIP: 02210
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                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION:
                                                                                                                                                                                                                                                                                                            Boston
                                                                                                                                                                                                                                                                                                                                                                                                                         Application US/08133629 5597694
                                                                                                                                                                                                                                                                                               Massachusetts
                                                                                                                                                                                                                                                                                  United States of America
                                          EZEKIEL
15: 8:
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                                                                                                          M0828/7001
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Best Local :
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GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 1, Application PC/TUS9610895
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 121 AAAAATACAAAAATTAGCCGGGCGTGGTGGCGCGCGCGCTGTAATCCCAGCTACTCGGGAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        181 GCTGAGGCAGGAGAATCGCTTGAACCCAGGAGGTGGAGGYTGCAGTGAGCCGWGATCGCG
         FILING DATE: 01-NOV-1995
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Anderson, Kathryn A.
REGISTRATION NUMBER: 32,172
REFERENCE/DOCKET NUMBER: 2835
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    61 TCACCTGAGGTCAGGAGTTCAAGACCAGCCTGGCCAACATGGTGAAACCCCGGTCTCTACT 120
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Local Similarity 86.9%;
                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Apple 7.5.2
SOFTWARE: Microsoft Word, Version 6.0.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/10895
FILING DATE: 25-JUN-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: Cytokine That Induces Apoptosis NUMBER OF SEQUENCES: 9
                                                                                                              PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/496,632
FILING DATE: 29-JUN-1995
CLASSIFICATION:
TELECOMMUNICATION INFORMATION:
                                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/548,368
FILING DATE: 01-NOV-1995
                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                   STATE: W
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                                                                                                                                                                     CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                        ADDRESSEE: Kathryn A. Anderson, STREET: 51 University Street
                                                                                                                                                                                                                                                                                         98101
                                                                                                                                                                                                                                                                                                                              Seattle
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             2835-WO
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RESULT 10
ID PCT-US93-06251-83 STANDARD; DNA; UNC; 4517
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Best Local S
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                                                                                                                                                                    Sequence 83, Application PC/TUS9306251 GENERAL INFORMATION:
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LOCATION: 88..933
Sequence 1751 BP; 593 A; 361 C; 375 G; 422 T; 0 other:
                                                                                                                                                                                                                                                                                                                                                        5048 TT 5049
                                                                                                                                                                                                                                                                                                                                                                                 1702 TT 1703
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4808 CATGAGGTCAAGAGTTTGAGACCATCATGGCCAACATGGTGAAACCCCCATCTCTACTAAA 4867
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                                                                                                                                                                                                           Sequence 83, Application PC/TUS9306251
                                                                                                                                                                                                                                     01-JAN-1900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: (206) 587-0
TELEFAX: (206) 233-064
TELEX: 756822
INFORMATION FOR SEQ ID NO:
ZIP: 11530
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                     NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
                                                                                                                              APPLICANT: Wickstrom, Eric and Rife, Jason P.
TITLE OF INVENTION: Trivalent Synthesis of Oligonucleotides Containing
TITLE OF INVENTION: Stereospecific Alkylphosphonates and Arylphosphonates
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ANTI-SENSE: NO IMMEDIATE SOURCE: CLONE: huaic
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LENGTH: 1751 base pair
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE:
                          COUNTRY: U
                                                               ADDRESSEE: SCULLY, SCOTT, MUR STREET: 400 Garden City Plaza CITY: Garden City
                                                                                                                                                                                                                                                                                                                                                                                                           GAGGCAGGAGAATCGCTTGAGCCTGGGAGGCGGAGGTTGCACTGAGCCGATATCACGCCA
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l Similarity 83.8%;
253; Conservative
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                                                                                           SCOTT, MURPHY & PRESSER
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Pred. No. 6.55e-121;
0; Mismatches 48; Indels 1
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Best Local Similarity 86.0%;
Matches 259; Conservative
 Patent NO. JOSEPH PATENT NO. GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: WETMUR, J.
APPLICANT: WETMUR, J.
TITLE OF INVENTION: METHODS FOR DETERMINING SUSCEPTIBILITY
TITLE OF INVENTION: TO LEAD POISONING
TITLE OF GEOUENCES: 6
                                                                                                                                                                                                                                                   US-08-195-744-4 STANDARD; DNA; UNC; 6063 BP.
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                                                                                                             Sequence 4, Application US/08195744 Patent No. 5639607
                                                                                                                                                                                                                                                                                                                                         3456 T 3456
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: DNA (genomic)
Sequence 4517 BP; 1437 A; 784 C; 955 G; 1341 T; 0 other;
                                                                                                                                                      Sequence 4, Application US/08195744
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEX: 230 901 SANS.UR INFORMATION FOR SEQ ID NO: 83: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELECOMMUNICATION INFORMATION:
TELEPHONE: 516-742-4343
TELEFAX: 516-742-4366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION: NAME: D1G1g110, Frank S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                        GCGTGATATCGGCTCAGTGCAACCTCCGCCTCCCAGGCTCAAGCGATTCTCCTGCCTCAG
                                                                                                                                                                                                                                                                                                                                                                    TCCACCTGCCTTGGCCTCCCAAAGTGCTGG-ATTACAGGTGTGAACCACTGCACCCGGCC
                                                                                                                                                                                                                                                                                                                                                                                 TCTGCCCGCCTCCGCAAAGTGCTGGGATTACAGGTGTGAGCCACCGCGCCCAGCC 3455
                                                                                                                                                                                                                                                                                                                                                                                                                                       TTAGTAGAGACGCAGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACCTTGTGA 3395
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CCTCCCGAGTAGCTGGGACTACAGGTGCCCGCCACCACCCAGCTAATTTTT-GTATTT
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REFERENCE/DOCKET NUMBER: 8586
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: POFILING DATE: 19930630
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 4517 base pairs
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BRUMBAUGH, GRAVES, DONOHUE AND
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Pred. No. 3.97e-123;
0; Mismatches 39;
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Best Local S
Matches 26
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NAME: CLARK, R., LEHNBARDT, S., DELSIGNORE, M.
REGISTRATION NUMBER: 26.154, 33,943, 32,689
REFERENCE/DOCKET NUMBER: 28490
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 408-2500
TELEFAX: (212) 765-2519
TELEFAX: (212) 765-2519
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 6063
TELEF. NTGISTORY
                                                                                                                                                                                                                 4863
                                                                                                                                    1279
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                                                                                                                                                                                                                                                                                                                      4744 TTGAGGCCGGGTGCAGTGGTTCACACCTGTAATCC-AGCACTTTGGGAGGCCAAGGCCAGG
                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE: GENE PRODUCT IS k-AMINO LEVULINATE DEHYDRATASE PUBLICATION INFORMATION: NONE Sequence 6063 BP; 1485 A; 1626 C; 1638 G; 1314 T; 0 other;
                                                                              1339 AAAAA 1343
                                                                                                       1219
                                                                                                                                                                                                                                                                   4803 TGGATCATGAGGTCAAGAGTTTGAGACCATCATGGCCAACATGGTGAAACCCCCATCTCTA 4862
PCT-US94-07926-33 STANDARD; DNA; UNC; 15328 BP
                                                     5040 ATAAA 5044
                                                                                                                                                                                                                                                                                            1099 CGGATCACGAGGTCAGGAGATCGAGACCATCCTGGCTAATATGGTGAAACCCTGTCTCTA 1158
                                                                                                                                                                                                                                                                                                                                                1039 TIGAGGCIGGGCACGGIGGCICACGCCIGTAATCCCAGCACTIIGGGAGGCIGAGGCAGG 1098
                                                                                                                                                                                                                                                                                                                                                                         7 Match 3.7%;
Local Similarity 85.9%;
hes 262; Conservative
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PRIOR APPLICATION NUMBER: 1
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MEDIUM TYPE: DISKETTE, 3.5 INCH 720 Kb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION DATA:
               12
                                                                                                                               GGAGGCTGAGGCAGAATCGCTTGAGCCTGGGAGGCGGAGGTTGCACTGAGCCGATAT
                                                                                                                                                                            GGAGGCTGAGGCAGGAGAATGGCGTGAACCCGGGAGGCGGAGCTTGCAGTGAGCCGAGAT 1278
                                                                                                                                                                                                               CTAAAAATACAAA--AATTAGCTGGGTGTGGTGGCGGGCACCTGTAGTCCCAGCTACTCG
                                                                                                                                                                                                                                       CTAAAAACACAAAGAAATTAGCCAGGCGTGGTGGCGGGTGCCTGTAGTCCCAGCTACTTG 1218
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TOPOLOGY: LIN
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OPERATING SYSTEM: DOS
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SOFTWARE: WORDPERFECT 5.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: NUCLEIC ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE
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Pred. No. 6.55e-121;
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Best Local :
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                                                                                                                                                                                                                           5696 GGCCGGGCGCGGTGGCTCACGCTTGTAATCCCAGCACTTTGGGAGGCCGAGGCCGGAGGCGGA 5755
                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: cDNA
Sequence 15328 BP; 3885 A; 3789 C; 4082 G; 3572 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 33, Application PC/TUS9407926 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: 305-764-4996 INFORMATION FOR SEQ ID NO: 33:
                                                                                                                                                                                                                                                                              Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Seilhamer, Jeffrey J.

TITLE OF INVENTION: Mammalian Phospholipase A2 Nucleotide
TITLE OF INVENTION: Sequences and Low Molecular Weight Amino Acid Sequences
TITLE OF INVENTION: Encoded Thereby, Antisense Sequences and Nucleotide
TITLE OF INVENTION: Sequences Having Internal Ribosome Binding Sites
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/097,354
FILING DATE: 26-JUL-1993
ATTORNEY/ACENT INFORMATION:
NAME: Manso, Peter J.
REGISTRATION NUMBER: 32,264
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/
FILING DATE: 15-JUL-1994
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
LENGTH: 15328 base pai
                                                                                                                                                                                                                                                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER: IN TELECOMMUNICATION INFORMATION: 305-527-2498
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 4. CORRESPONDENCE ADDRESS:
                                                                                                                  AAATACAAAAAAATTAGCCGGGCGTGATGGTGGGCGCCTGTAGTCCCAGCTACTCGGGA 5875
TCACGAGGTCAGGAGATCGAGACCATCCTGGCTAACACGGTGAAACCCCCGTCTCTACTAA 5815
                                                   GGCCGGGTGCAGTGGTTCACACCTGTAATCC-AGCACTTTGGGAGGCCAAGGCAGGTGGA 4806
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM PC COmpatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version
                                                                             GGCTGAGGCAGGAGAATGGCGTGAACCCGGGAGGCGGAGCTTGCAGTGAGCCGAGATTGC 5935
                                                                                                      AAATACAAAAA---TTAGCTGGGTGTGGTGGCGGCACCTGTAGTCCCAGCTACTCGGGA 4923
                                                                                                                                                         TCATGAGGTCAAGAGTTTGAGACCATCATGGCCAACATGGTGAAAACCCCATCTCTACTAA 4866
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                                                                                                                                                                                                                                                                   267;
                                                                                                                                                                                                                                                                             3.7%;
Similarity 86.1%;
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Pred. No. 6.55e-121;
0; Mismatches 38;
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Query Match
Best Local Similarity
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEPAX: (212) 751-6849
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
LENGTH: 22481 Base Pairs
                               LOCATION:
IDENTIFICATION METHOD:
OTHER INFORMATION: full length genomic
OTHER INFORMATION: sequence for PEDF plus flanking sequences.
Sequence 22481 BP; 5280 A; 5708 C; 6136 G; 5347 T; 10 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 43, Application PC/TUS9507201 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Chader, Geraid J.; Beceire, Applicant: Patricia; Schwartz, Joan P.;
APPLICANT: Taniwaki, Takayuki
TITLE OF INVENTION: PICKENT EPITHELIUM
TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION GENOMIC
TITLE OF INVENTION: ORGANIZATION AND SEQUENCE OF THE PEDF GEN
                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: 08/367,841
FILING DATE: 30-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/257,963
FILING DATE: 07-JUN-1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
COMPUTER: IBM PC Com
                                                                                                                                                                                                                                                                APPLICATION NUMBER: 07/9:
FILING DATE: 24-SEP-1992
ATTORNEY/AGENT INFORMATION:
NAME: DOROTHY R. AUTH
                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
                                                                                                         FEATURE:
                                                                                                                    MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13
                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 0 CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC Compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: WORDPERFECT 5.1
                                                                                                                                TOPOLOGY: Unl
                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER:
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                                                                                              NAME/KEY:
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                                                                                                                                                       Nucleic Acid
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                                                                                                                                Unknown
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                                                                                                                    Genomic DNA
 3.7%;
87.2%;
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                                                                                                                                           Double
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                                                                                                                                                                                                                                                                                                     07/952,796
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                                                                                                                                                                                                                                                      36434
Score 202; DB 14;
Pred. No. 3.97e-123;
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           Length 22481
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Matches

9513

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US-08-323-443B-1 STANDARD; DNA; UNC; 31571 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 1, Application US/08323443B
                                                                                                                                                                                                      ZIP: 10022

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Ver:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/323,443B
FILING DATE: 12-CCT-1994
                                                                  TELEFAX: (212) 753-6237 INFORMATION FOR SEQ ID NO: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                             ATTORNEY/AGENT INFORMATION:
NAME: Ludw19, S. Peter
REGISTRATION NUMBER: 25,351
REFERENCE/DOCKET NUMBER: 0372
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 527-7700
TELEPAX: (212) 753-6237
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                 SEQUENCE CHARACTERISTICS:
LENGTH: 31571 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: QIAN, FENG
TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
                                                                                                                                                                                                                                                                                                                                                STATE: N
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ACCCGCCTCGGCCTCTCAAAGTGCTGGGATTACAGGTTTGAGCCACTGCGCCTGGCCT 9810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AGAGATGGGGTTTCTCCATGTTGGCCAGGATGGTCTCAAACTCCTGACCTCAGGTGATCT 9752
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CCAAGTAGCTGGGATTACAGGCATGCGCCACCACCCCGGCTAATTTTTTGTATTTTTAGT 9692
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GATCTCAGCTCACTGCAACCTCCACTTCCTGGATTCAAGTGATTCTCCTGCCTTAGCCTC 9632
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITITITITITITGAGATGGAGTCTTGCTCTGTTGCCCAGCCTGGAGTGCAGTGGCGC 9572
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    STRANDEDNESS:
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                                                                                                                                                                                            CLASSIFICATION:
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STREET: 805 Third Avenue
                                                                                                                                                                                                                                                                                                                                                                New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       BURN, TIMOTHY C.
CONNORS, TIMOTHY D.
DACKOWSKI, WILLIAM F
GERMINO, GREGORY
                                                                                                                                                                                                                                                                                                                                                  USA
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LANDES, GREGORY M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   KATHERINE W.
                                                                                                                                                                                                                                                    Release #1.0, Version
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Matches 25
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                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 3, Application US/08157171 Patent No. 5736323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-157-171-3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 31571 BP; 5045 A; 9978 C; 9794 G; 6705 T; 49 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 3, Application US/08157171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   XXXXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear
MOLECULE TYPE: DNA (genomi
HYPOTHETICAL: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                           APPLICANT: Soubrier, Florent APPLICANT: Hubert, Christine APPLICANT: Corvol, Pierre TITLE OF INVENTION: Agents and TITLE OF INVENTION: the Geneti TITLE OF INVENTION: Enzyme
                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
                                                                                                                                                                            STREET: 90 SOULI ...
CITY: Minneapolis
STATE: MN
COUNTRY: USA
ZIP: 55402
                                                                      MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/157,171
                ATTORNEY/AGENT INFORMATION:
NAME: Hillson, Randall a
                                                                                                                                                                       ZIP: 55402
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IMMEDIATE SOURCE:
CLONE: PKD1 GE
                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES: 8
                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
                                           FILING DATE: 24
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CTGAGGCAGGAGAATCGCTTGAGCCTGGGAGGCGGAGGTTGCACTGAGCCGATATCACGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CTGAGGCAGGAGAATCACTTGAACCCGGGAGGCGGAGGTTGCAGTGAGCCCAATATCACAC
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NAME: Hillson, Randa REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                   ADDRESSEE:
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Similarity 86.7%;
254; Conservative
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                                                                                                                                                                                                                                                 E: Merchant & Gould
90 South 7th Street,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STANDARD; DNA; UNC; 1856
                                                         24-JAN-1994
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            Randall
                                                                                                                                                                                                                                                                                                 Enzyme:
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the Genetic Polymorphism of th
                                                                                                                                                                                                                                                                                                                                                                                       Florent
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Pred. No. 1.19e-121;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches 36; Indels 3;
                                                                                                                                                                                                                                                 3100 No. 5736323west Center
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Search completed: Thu May Job time: 304 secs.
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TELEOPHONE: 612-332-5300
C TELEPHONE: 612-332-5300
C TELEPAX: 612-332-5081
C INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
C LENGTH: 1856 base pairs
C TYPE: nucleic acid
C STRANDEDNESS: single
C TYPE: nucleic acid
C STRANDEDNESS: single
C TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
C INMEDIATE SOURCE:
C CLONE: enzyme (ACE) gene
C CLONE: enzyme (ACE) gene
C Sequence 1856 BP; 403 A; 546 C; 483 G; 424 T; 0 other;
                                                                                                                                                                                                                                                                                                    Query Match 3.6%; Score 192; DB 8; Length 1856; Best Local Similarity 87.9%; Pred. No. 9.61e-116; Matches 246; Conservative 0; Mismatches 30; Indels 4; Gaps 4;
                                                                                                                                                                                                                1521 GATCTCGGCTCACTGCAACGTCCGCCTCCCGGGTTCACGCCATTCTCCTGCCTCAGCCTC 1580
                                                                                                                                                                                                                                                   4981 GATATCGGCTCAGTGCAACCTCCGCCTCCCAGGCTCAAGCGATTCTCCTGCCTCAGCCTC 4922
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